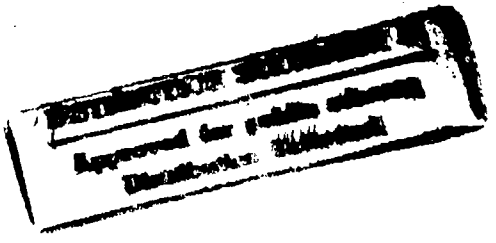
Analysis of Thermal Imagery Collected at Grayling II Grayling, Michigan

Salvador Rivera, Jr.

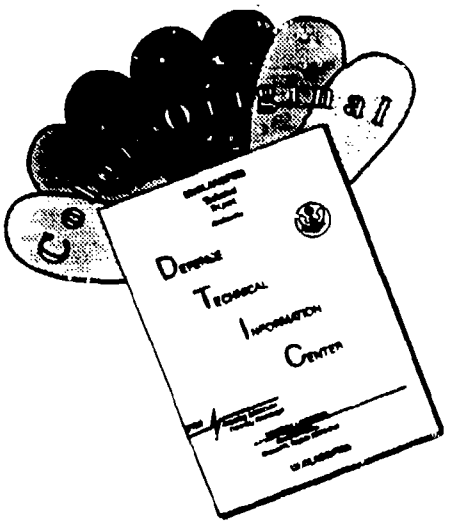
U.S. Army Engineer Waterways Experiment Station
Vicksburg, MS



SWOE Report 94-9

November 1994

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF COLOR PAGES WHICH DO NOT REPRODUCE LEGIBLY ON BLACK AND WHITE MICROFICHE.

FOREWORD

SWOE Report 94-9, November 1994, was prepared by S. Rivera, Jr. of U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi.

This report is a contribution to the Smart Weapons Operability Enhancement (SWOE) Program. SWOE is a coordinated, Army, Navy, Marine Corps and Air Force program initiated to enhance performance of future smart weapon systems.

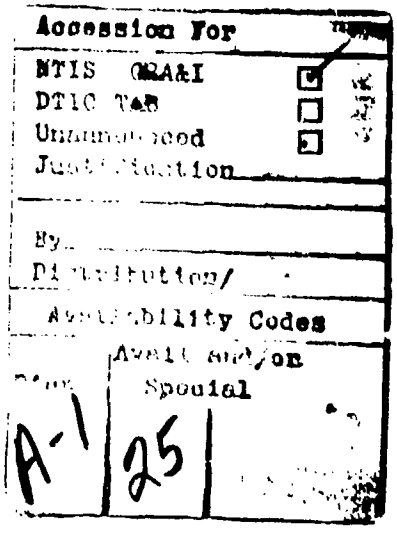
Performance of smart weapons can vary widely, depending on the environment in which the systems operate. Temporal and spatial dynamics can significantly impact weapon performance. Testing of developmental weapon systems has been limited to a few selected combinations of targets and environmental conditions, primarily because of the high costs of full-scale field tests and limited access to the areas or events for which performance data are required.

Performance predictions are needed for a broad range of possible battlefield environmental conditions and targets. Meeting this need takes advantage of significant DoD investments by Army, Navy, Marine Corps, Air Force and ARPA in 1) basic and applied environmental research, data collection, analysis, modeling and rendering capabilities, 2) extensive target measurement capabilities and geometry models, and 3) currently available computational capabilities.

SWOE is developing, validating, and demonstrating the capability to handle complex target and background environment interactions for a broad range of battlefield conditions. SWOE is providing the DoD smart weapons and autonomous target recognition (ATR) communities with measurements, information bases, modeling and scene rendering techniques for complex environments. These are products of a DoD-wide partnership that works in concert with both advanced weapon system developers and major weapon system test and evaluation programs.

The SWOE program started in FY89 under Balanced Technology Initiative (BTI) sponsorship. Present sponsorship is by the U.S. Army Corps of Engineers (lead service), the individual services, and the Joint Test and Evaluation (JT&E) program of the Office of the Director of Test & Evaluation, Office of the Under Secretary of Defense OUSD(A/DT&E).

The Joint Test Director is Dr. J.P. Welsh. The Deputy Test Directors are: COL Jerre Wilson (U.S. Army) and Maj Richard Jennings (U.S. Air Force). The Modeling Configuration Manager is Dr. George G. Koenig.



REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

1. AGENCY USE ONLY (Leave blank)	2. REPORT DATE	3. REPORT TYPE AND DATES COVERED
	November 1994	Final report

4. TITLE AND SUBTITLE

Analysis of Thermal Imagery Collected at Grayling II, Grayling, Michigan

5. FUNDING NUMBERS

6. AUTHOR(S)

Salvador Rivera, Jr.

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

U.S. Army Engineer Waterways Experiment Station
Environmental Laboratory
3909 Halls Ferry Road, Vicksburg, MS 39180-6199

8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

U.S. Department of Defense
Smart Weapons Operability Enhancement
Joint Test and Evaluation Program Office
Hanover, NH 03755-1290

10. SPONSORING/MONITORING AGENCY REPORT NUMBER

11. SUPPLEMENTARY NOTES

Available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

12a. DISTRIBUTION/AVAILABILITY STATEMENT

Approved for public release; distribution is unlimited.

12b. DISTRIBUTION CODE

13. ABSTRACT *(Maximum 200 words)*

The purpose of the Smart Weapons Operability Enhancement (SWOE) Joint Test and Evaluation Program is to validate the SWOE synthetic thermal scene generation procedure. Once validated, this procedure will hopefully change the design-test-redesign approach to smart weapons development, test, and evaluation. Using the procedure, smart weapons designers will be able to evaluate their sensor algorithms on simulated scenes with a greater degree of confidence than is often presented during the test phase of the design process. The SWOE process will also allow for the smart weapon designs to be evaluated for different environments.

This report is an analysis of thermal data, collected by the U.S. Army Engineer Waterways Experiment Station during the Grayling II field program exercise 4 March-15 April 1994, that can be used to understand variations in terrain features' infrared signatures using image metrics and to present the data in a format that can be used for synthetic scene validation tasks.

This report describes in graphical format the meteorological data at the time the infrared imagery data were collected.

14. SUBJECT TERMS			15. NUMBER OF PAGES
Grayling II	Infrared imagery	Synthetic scene	136
Image metrics	Infrared signatures	Thermal data	16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
UNCLASSIFIED	UNCLASSIFIED		

Contents

LIST OF ILLUSTRATIONS

LIST OF TABLES

Preface

The analysis activities reported herein were conducted by the U.S. Army Engineer Waterways Experiment Station (WES) in support of the Smart Weapons Operability Enhancement (SWOE) Joint Test and Evaluation (JT&E) Grayling II exercise conducted at Grayling, Michigan, from 4 March to 15 April 1994. This effort was funded by the Secretary of Defense SWOE JT&E Program Office, Hanover, NH. Dr. J. Pat Welsh was the Joint Test Director, and LTC Jerre W. Wilson was the Army Deputy Director.

WES has prepared three related reports in support of the Grayling II exercise for the SWOE/JT&E Program. These are as follows:

a. "Grayling II Information Base for Generation of Synthetic Thermal Scenes"

b. "Grayling II Site Characterization and Data Summary"

c. "Analysis of Thermal Imagery Collected at Grayling II, Grayling, Michigan"

This study was conducted under the general supervision of Dr. John W. Keeley, Director, Environmental Laboratory (EL), WES; Dr. Robert M. Engler, Chief, Natural Resources Division (NRD), EL; and Mr. Harold W. West, Chief, Environmental Characterization Branch (ECB), NRD; and under the direct supervision of Mr. Charles D. Hahn, WES project coordinator. Mr. Salvador Rivera, Jr., ECB, NRD, prepared this report. Field measurement support was provided by Messrs. Hahn, Thomas E. Berry, M. Joe Wooley, Clarence Currie, and Jerrell R. Ballard, Jr., ECB, and Messrs. David Leese and Paul Dew of Instrumentation Services Division, WES.

At the time of publication of this report, Director of WES was Dr. Robert W. Whalin. Commander was COL Bruce K. Howard, EN.

1 Introduction

The Smart Weapons Operability Enhancement (SWOE) Joint Test and Evaluation (JT&E) Program is a Department of Defense (DOD) coordinated multiservice effort to address problems related to smart weapon system development, test, and evaluation (DT&E) in the worldwide range of battlefield environment conditions. The thrust of the Grayling II field exercise was to collect environmental data necessary to generate various synthetic thermal scenes and to collect thermal infrared image data for use in the validation of the SWOE thermal scene generation procedure.

Background

Future smart weapons systems will be forced to become more "autonomous" because of the ever-shrinking manpower available on the modern battlefield. The typical approach to developing smart weapons has been the test-fix-test methodology for the test and evaluation phases of development. Tests or technology demonstrations are scheduled, and the proposed system is thoroughly tested under various environmental conditions. The results, however, may not be similar if the environmental conditions are changed. Also, the cost of this type of testing is extremely high. The primary thrust of the SWOE, JT&E program is to produce a validated procedure for generation of synthetic thermal and millimeter wave images that accurately "model" the environmental conditions and can then be processed through the sensor and sensor logic to produce results representative of those from a weapon system captive-flight demonstration, all at a much lower cost. An added benefit of this analytical procedure allows evolution of environmental effects so that the sensor logic may be evaluated over a variety of background and weather conditions quickly and efficiently.

Analysis of Thermal Imagery Collected at Grayling II Grayling, Michigan

Salvador Rivera, Jr.

U. S. Army Engineer Waterways Experiment Station
Vicksburg, MS

SWOE Report 94-9
November 1994

Objectives

The objectives of this report were as follows:

a. To conduct an analysis of thermal data, collected by the U.S. Army Engineer Waterways Experiment Station (WES) during the Grayling II field program exercise at Grayling, MI, during 04Mar-15Apr94, to understand variations in terrain features' infrared (IR) signatures and to present the data in a format that could be used for synthetic image validation tasks.

b. To present in graphical format the meteorological data collected at the time the IR imagery data were collected.

Scope

The intent of this report is to describe procedures and analyses of WES infrared imagery collected during the Grayling II exercise, Grayling, MI. The data and results are presented in a format useful for synthetic image validation tasks. The WES image data discussed herein are to be stored in the SWOE program database and made available to the DT&E community.

2 Geography and Image Data Presentation

Site Description

The SWOE Grayling II area was divided into five data collection sites (see Figure 1 for Grayling II site layout): Site E (universal transverse Mercator (UTM) coordinates 68724E 5951961N), the primary imaging and data collection area; Site C (UTM coordinates 687625E 4951970N), a forested area; Site D (UTM coordinates 687382E 4952683N), a deciduous tree area on the west side of the valley; Site F (UTM coordinates 687934E 4952683N), a south-facing hillside with scattered trees and grasses; and Site A1 (UTM coordinates 687067E 4952031N), the location of the data collection facilities and support trailers. Site E and the surrounding area was primarily flat with a few small (<1 m) topographic undulations. Vegetation consisted primarily of grasses with scattered deciduous (red and black oak) and coniferous (jack pine) trees and plants. Figure 2 presents a panoramic view of Site E and surrounding area taken from the WES trailer position (see Figure 1). In addition, an elevation contour map of the Grayling II area is presented in Figure 3. A detailed discussion of the site description is presented in another report.[1]

WES Infrared System and Imaging Procedure

During the Grayling II field program exercise (04Mar-15Apr94), WES collected IR image data, long wave band (LWB) 8 to 12 μm and short wave band (SWB), 2 to 5.6 μm, on representative terrain features. WES used an Agema 900 Thermovision system to collect high-resolution imagery of several terrain features using a narrow field of view (FOV) (2.5 deg). The 900 system consisted of an LWB and an SWB thermal imager

[1] Hahn, C. D. (1994). "Grayling II site characterization and data summary," Technical Report prepared by the U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, for the Smart Weapons Operability Enhancement Joint Test and Evaluation Program Office, Hanover, NH.

connected to a specialized computer. Table 1 shows the specifications for the WES IR equipment. The cameras were mounted on a computer-controlled mount that allowed for 360 deg of azimuth rotation and approximately 70 deg of elevation change. The cameras were attached to the boom of a WES boom truck, and this mount was programmed to allow automatic positioning and imaging of specific terrain features located within the designated imaging area. During the Grayling II exercise, WES recorded most of the daytime missions on Video Home System (VHS) videotapes.

SWOE image data were collected with several different ground-based IR systems, one airborne IR and millimeter wave band system, and one ground-based active millimeter wave band system by the following agencies: WES, the U.S. Army Cold Regions Research and Engineering Laboratory (CRREL), U.S. Army Research Laboratory (ARL)-Battlefield Environment Directorate (BED), Eglin Air Force Base (EAFB), and ARL-Signals, Sensor, System and Intelligence (S^3I) Directorate. During Grayling II, WES collected high-resolution IR imagery (LWB and SWB) on 12 designated terrain features (See next section for terrain features description). Terrain feature IR imagery was collected for various planned 1-hr missions.

A typical 1-hr mission involved imaging 12 predetermined terrain features and collecting one frame per wave band (LWB and SWB) at the measurement times. The 12 terrain features imaged are described in the next section. For each typical 1-hr mission, 12 measurement times (also known as scheduled minutes) were randomly selected and used as the IR data collection schedule. The 12 terrain features were divided into two groups of seven and five features. Features' IR imagery were collected on the first seven features at odd scheduled minutes (1st, 3rd,... and 11th) and on the next five features at even scheduled minutes (2nd, 4th,... and 12th). Consequently, each of these features were imaged six times during the 1-hr mission. Table 2 shows the schedule followed for all 172 one-hour SWOE missions; Table 3 shows the 12 scheduled minutes for each of the 172 one-hour missions. The numbers shown in Table 3 (columns 6-17) represent the number of minutes that elapsed after the start of the mission hour (column 4) before a set of images were collected. For example, for mission number 1 (column 3), the first seven feature images (LWB and SWB each) were collected in the 4th minute of hour number 15. The next five features were imaged in the 7th minute of hour number 15.

One scheduled minute from the twelve was randomly selected, and the IR imagery collected at that measurement time was referred to as the critical image set (See Table 3, column 5); this report refers to the IR imagery collected by WES during the nearest measurement time to the critical image set as the nearest critical image set. IR imagery collected within the critical image set and the nearest critical image set are the only data used in the discussion of Analysis of Terrain Features' IR Imagery section.

Throughout the Grayling II exercise, WES collected IR data for 140 of the 172 scheduled SWOE missions, resulting in a total of 20,160 images. The following is a summary of IR imagery collected:

a. During odd scheduled minutes:
140 Missions × 6 Measurements/hr × 2 wave bands
× 7 Features = 11,760 Feature Images

b. During even scheduled minutes:
140 Missions × 6 Measurements/hr × 2 wave bands
× 5 Features = 8,400 Feature Images

Description and Location of Terrain Features Imaged

Seven different terrain features were imaged by WES as follows:

a. Sandy bare soil (i.e., vehicle-test track).

b. Grass (dormant).

c. Snow over grass.

d. Deciduous (red oak) tree.

e. Deciduous (black oak) treeline.

f. Coniferous (pine) tree.

g. Coniferous (pine) treeline.

Figure 4 contains color photographs and IR images (LWB) of the 12 features imaged. The first 10 features were located within Site E and/or adjacent to Site E; feature 11 was located at Site F; and feature 12 was located at Site D (see contour map in Figure 3). Each feature was enclosed by a polygon in both the color photograph and the IR image. It is noteworthy that the color photographs and IR images were not collected from the same view point. Most of the color photographs (features 1-10) were taken approximately 9 to 17 m away from the feature and just above (eye) ground level (height 2 m), while the IR images were collected with the WES IR cameras, which were mounted approximately 19 m above ground from the top of a hill. The IR camera was approximately 30 m above the ground elevation of Site E, which results in an imaging angle of approximately 10 deg below the horizonal. Therefore, the background of the terrain features in the color photographs is shown as sky, while the background in the IR images is either grass or bare soil (sand).

The IR images were obtained using a 2.50- by 1.25-deg FOV lens. The location of the WES imagers was at UTM coordinates 687089 easting and 4951933 northing. UTM coordinates and relative angles (from imagers to terrain feature) are included in Table 4.

3 Meteorological Conditions

IR data were collected under a variety of meteorological conditions that affect the IR signatures (thermal properties) of the terrain features. The purpose of this chapter is to summarize by plots (Figure 5) and listings (Appendix A) some of the meteorological conditions that occurred during the Grayling II exercise (04MAR93-15APR94). Meteorological data discussed in this chapter, collected and provided by CRREL, include air temperature (°C), solar radiation (watts/square meters), relative humidity (percent), barometric pressure (millibars), wind speed (miles/second), wind direction (degrees), visibility (kilometers) and rain precipitation (millimeters/hour). Data from the meteorological station located at Site E3 (see Figure 3) were used; data were collected every minute throughout the 43-day period. The meteorological data presented in this part were averaged over an hour (See Appendix A for listing). Throughout the Grayling II exercise, both rain and snow precipitation occurred; therefore, terrain features were either totally covered, partly covered, or not covered by snow.

Figure 5 depicts measured meteorological conditions throughout the test period. Figure 5a shows that air temperature values varied between -20 °C (19MAR) and +20 °C (14APR). For most of the days, air temperature oscillated from a minimum temperature early in the morning, rising throughout the day until it reached its peak temperature about noon, then decreased slowly during the rest of the day until completing the cycle. Of the 43 days of data collection, there were many sunny, partly cloudy and cloudy days (Figure 5a). Maximum solar radiation values varied between 200 and 800 W/m^2 for cloudy/overcast and sunny days, respectively.

Relative humidity (Figure 5b) fluctuated considerably throughout the duration of the exercise (20 to 100 percent). Most of the minimum values occurred toward the end of the exercise (after 31MAR). The barometric pressure (Figure 5b) showed very little fluctuation (950 to 990 mb) throughout the 43-day measurement period.

The wind speed (Figure 5c) fluctuated between 0 and 6 m/s with the highest wind speed occurring on 15MAR. Wind speed varied considerably from day to day exhibiting high speeds (3 m/s or more) on a given day and slow speeds (3 m/s or less) on the next day. The wind direction

(Figure 5c) most of the time was in a northerly direction (0 deg = NORTH and 90 deg = EAST).

Visibility (Figure 5d) varied between 0 and 50 km. Many days exhibited visibility below 5 km because of heavy snow precipitation, rain precipitation, or foggy conditions. Of the 43 days of data collection, approximately 12 days exhibited some type of precipitation. The following 8 days exhibited both rain/snow precipitation and low visibility: 12MAR, 18MAR, 21MAR, 27MAR, 29MAR, 05APR, 13APR, and 15APR.

4 Analysis of IR-Measured Data

IR Imagery Processing Procedure

The flowchart in Figure 6 describes the procedure used to process all of the WES imagery collected during the Grayling II exercise. The four general steps of the procedure are presented in the following paragraphs.

First, 12 IR LWB images containing the terrain features were individually displayed on a computer screen; a polygon delineating the designated terrain feature was digitized (Figure 4). The coordinates of these feature-polygons, also known as general feature-polygons, were stored for use in the second step.

Second, each terrain feature image to be processed was displayed on a computer screen with the corresponding general feature-polygon superimposed. At this point, if necessary, the analyst could shift the polygon around (with arrow keys/mouse) to make sure it enclosed the designated terrain feature. Then, polygon coordinates of each terrain feature were stored in a separate file. Each terrain feature was processed separately during this step of the procedure. At the end, all the terrain features' IR images had their individual polygon coordinate file.

Third, image metrics (described in the next section) were computed on all the feature-polygon by using all of the pixels within the polygon. Image metric results were then stored in a database for interpretation and analysis.

Fourth, terrain feature IR imagery analysis was performed by graphical analysis and interpretation of the image metric results.

Image Metrics Computation

Image metrics refers to the process and results of quantifying the distribution of specific features within a digital image. Image metric parameters were used in this study to analyze and compare terrain features' IR signatures. The image metric parameters used in this report are valid for any distribution; their validity does not depend on normality of the underlying temperature distribution. Inspection of temperature histogram charts suggests that the distributions are far from normal during much of the day.[1]

Image metrics were used to describe the distribution of specific terrain features within a digital image. Ten different scene metrics were computed; all characterize the data-space distribution of temperature (°C). These 10 measures were computed from the terrain feature temperature distribution histograms: the minimum value (MIN), the 5-percentile value (PERC_05), the median value (MEDIAN), the mode value (MODE), the 95-percentile value (PERC_95), the maximum value (MAX), and the difference between the 95- and 5-percentile (RNG_90). The first, second, and third moments of the distribution of temperature values within the designated region (mean, standard deviation, and skewness) are also computed.

The metrics mean, median, and mode were used to measure the central tendency of feature temperature distributions. The metrics standard deviation and RNG_90 were computed to measure the thermal variability of these terrain features throughout the day. The metric standard deviation describes the spread of the data points from the mean value of the population, while the RNG_90 implies that 90 percent of the temperatures have a range of so many degrees. Finally, the metric skewness is the degree of asymmetry, or departure from symmetry, of a terrain feature temperature distribution. A positive value means that the distribution has a longer tail to the right of the central maximum or that the distribution is skewed toward warmer temperatures than the central maximum temperature. A negative number means that the distribution has a longer tail to the left of the central maximum or that the distribution is skewed toward temperatures cooler than the central maximum temperature. A value of zero means that the distribution is symmetrical on both sides of the central maximum temperature.

[1] Rivera, S., Jr. (1994). "Analysis of thermal imagery collected at Yuma 1, Yuma, AZ," Technical Report prepared by the U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, for the Smart Weapons Operability Enhancement Joint Test and Evaluation Program Office, Hanover, NH.

Image Characterization by Mission

During the Grayling II exercise, WES recorded most of the day time missions on VHS videotapes. These videotapes were used to visually determine whether the terrain features were completely, partially, or not covered by snow during each mission and whether or not snow or rain precipitation occurred. Sometimes, for nighttime missions, terrain features' snow coverage could also be determined by viewing video data recorded during the previous day and the day after. The information gathered from these video data is summarized in Table 5.

Table 5 contains the following column headings: mission number, mission date, mission starting time, whether there is video data available (Yes/No), the 12 terrain features in situ conditions, and comments. The terrain features' condition was classified by the analyst into the following four classes: (a) total snow coverage (TC)—feature covered 100 percent by snow, (b) partial snow cover (PC)—patches of snow on the feature (i.e., grass or test track), (c) no visible snow or water (NV)—no visible either snow or water cumulated on the feature, (d) and standing water (SW)—small pond or puddle of water because of a recent rainfall event. An estimation, if possible, was also made for those missions where no video data were available. (No data were collected for missions not listed in the table because of equipment problems).

Analysis of Terrain Features' IR Imagery

Meteorological conditions that occurred at the time of execution of the 1-hr SWOE imaging missions are presented and discussed in Chapter 3 of this report. Also, see Infrared System and Data Collection Procedures section for a description of the IR imagery collected during missions.

For each 1-hr mission executed, only the terrain feature IR imagery collected during both the critical image set and the nearest critical image set were processed and analyzed (the remaining data are stored on a storage media at WES); this ensured that IR imagery collected at both odd and even scheduled minutes were analyzed. Consequently, for each SWOE scheduled 1-hr mission, 24 IR images (12 LWB and 12 SWB) of terrain features were processed and analyzed. Table 6 illustrates the seven terrain features (see Figure 4 for color pictures of terrain features) selected for analysis. Terrain features not included in Table 6 were processed and metrics were computed; no additional analyses were conducted on these features.

The image metric results obtained from the processed terrain feature IR imagery and the meteorological data collected at the time of the imagery (to the near minute) are presented in Appendix B.

Terrain features' IR signatures by time of day

A "daily" comparison of the calculated image metrics was not possible because (a) data collection was limited to only four random selected 1-hr measurement (time) periods per day (see Table 2), and (b) meteorological conditions varied from day to day during the 43-day exercise. Since IR mission data were collected at random 1-hr times, it was decided to group the feature signature data into four different 6-hr time spans depending on when the missions were executed:

a. Interval 1: 00:00 to 06:00 hr.

b. Interval 2: 06:01 to 12:00 hr.

c. Interval 3: 12:01 to 18:00 hr.

d. Interval 4: 18:01 to 24:00 hr.

Graphics of mean temperature versus standard deviation were used to illustrate the temperature range and the variability of the feature thermal data within time intervals during the 43 days of the exercise. Figure 7 presents plots of mean temperature versus standard deviation (thermal variability) in each wave band (LWB and SWB) for the seven selected terrain features. Table 6 was used to determine the missions that contained no appreciable snow accumulation on six of the features; the only exception was the snow cover feature that contained snow accumulation (either partial or total coverage). Only data from these missions were used in Figure 7. A summary of Figure 7 is presented in Table 7.

These plots were used to (a) determine whether there was a pattern within each interval in terrain features' IR signatures, (b) determine similarities or differences among the four 6-hr time periods, (c) and to determine the range of terrain features' mean temperatures and thermal variability during the 43 days of the exercise.

As presented in Figure 7, some thermal signature patterns observed (in all seven terrain features) were as follows: (a) cooler mean temperatures were found within interval 1, (b) warmest mean temperatures and higher variability were found within interval 3, (c) minimum variability was not unique to any interval, and (d) when comparing both wave bands within any interval, the LWB feature data exhibited cooler mean temperatures and slightly less thermal variability than the SWB data.

Figure 7a depicts the LWB thermal signatures exhibited by the seven terrain features (see Table 7 for a summary). In general, the sandy vehicle-test track followed by the grass feature exhibited warmer mean temperatures (see average on Table 7) than the other five measured terrain features throughout the 24-hr day (especially between 1201 and 1800 hr). In addition, the sandy vehicle-test track followed by the deciduous (red oak) tree feature exhibited higher thermal variability. A point worthy of noting was

that the deciduous (red oak) tree had no leaves; therefore, many of the signatures inside the polygon were partly due to a sandy-grass "background" material (see photograph in Figure 4). As expected, the snow cover feature exhibited the coolest mean temperatures (min=-27 °C, max=0 °C) and similar thermal variability compared with the other features. At any time of the day, the coniferous tree and the coniferous treeline exhibited very similar mean temperatures and thermal variability. When comparing LWB feature signature with SWB feature signature (within each interval), the LWB data always exhibited cooler mean temperatures and slightly less thermal variability (see Table 7).

Terrain features' IR signatures throughout exercise

Figures 8-14 show the feature IR signatures in both wave bands throughout the 43 days of the Grayling II exercise. The features' mean temperature bounded by the standard deviation were included to illustrate both the range of mean temperature values and the thermal variability of the different features. The air temperature was also included for comparison. These plots include all the IR data collected on the seven features. Therefore, it is important to remember that these features were either totally, partially, or not covered by snow or water. Refer to Figure 5 (meteorological plots) and Table 6 (Image Characterization by Mission Using Video Data) for information on both meteorological conditions and the features' in situ snow cover status.

Figures 8-14 reflect that features' mean temperatures as well as air temperature varied considerably throughout the exercise. As expected, LWB feature signatures followed closer to the air temperature than the SWB signatures. When comparing SWB signatures with LWB signatures, the SWB data exhibited warmer mean temperatures and slightly more thermal variability. Also, cooler mean temperatures were exhibited before 21MAR for all features. On the contrary, warmer mean temperatures were exhibited between 31MAR and 03APR and toward the end of the exercise (14APR).

The coniferous tree, coniferous treeline, and deciduous treeline followed closer to the air temperature than the deciduous tree and the three ground-based features (sandy soil test track, grass, and snow). As mentioned before, the deciduous tree was a multistem large leafless red oak tree; therefore, many of the pixels signatures were for sandy-grass "background" material (see Figure 4).

5 Summary of Results

During the Grayling II exercise, WES collected approximately 20,160 IR images on representative terrain features. A total of approximately 1,960 IR images were analyzed and discussed in this report. Thermal signature data in both wave bands (3 to 5 μm and 8 to 12 μm) were collected and analyzed on seven terrain features, including a sandy vehicle-test track (i.e., bare soil), grass, snow cover or/and grass, deciduous tree, deciduous treeline, coniferous tree, and coniferous treeline. These seven features were considered the dominant features within the 1.42- by 1.22-km Grayling area.

Image metrics were computed including minimum, mode, median, mean, maximum, 5-, 95-, 90-percentile range, standard deviation, and skewness. Meteorological data and image metric results are presented. These image metrics were used to determine the central tendency and thermal variability of the terrain features' temperature distribution. A database was generated containing information about terrain feature attribute data, image metrics results, and meteorological data.

IR data were collected under a variety of meteorological conditions that affect the IR signatures of the terrain features. Meteorological data presented and discussed include air temperature (°C), solar radiation (watts/square meter), relative humidity (percent), barometric pressure (millibars), wind speed (miles/second), wind direction (degrees), visibility (kilometers), and rain precipitation (millimeters/hour). Throughout the Grayling II exercise, both rain and snow precipitation occurred; therefore, terrain features imaged were either totally covered, partly covered, or not covered by snow. SWOE missions were visually characterized (by using video data) and determined whether the terrain features were completely, partially, or not covered by snow, and also whether or not snow or rain precipitation occurred during the mission.

Terrain feature IR imagery collected during the randomly selected 1-hr mission times were analyzed in two ways: (a) terrain features' IR signatures by time of day, (b) and terrain features' IR signatures throughout the exercise. Results show that (a) cooler mean temperatures occurred before 0600 hr, (b) warmest mean temperatures and higher variability occurred between 1201 and 1800 hr, (c) minimum variability was not unique to any

interval time of the day, and (d) the LWB feature data exhibited cooler mean temperatures and slightly less thermal variability than the SWB data throughout the day.

Results also show that (a) features' mean temperatures as well as air temperature varied considerably throughout the exercise, (b) LWB feature signatures followed closer to the air temperature than the SWB signatures, (c) cooler mean temperatures were exhibited before 21MAR for all features, (d) warmer mean temperatures were exhibited between 31MAR and 03APR and toward the end of the exercise (14APR), and (e) the coniferous tree, coniferous treeline, and deciduous treeline followed closer to the air temperature than the deciduous tree and the three ground-based features (sandy soil test track, grass, and snow). A point worthy of noting was that the deciduous (red oak) tree had no leaves; therefore, many of the signatures inside the polygon were due in part to a sandy-grass "background" material.

Bibliography

Berry, T., Rivera, S., Jr., and Sabol, B. (1992). "Environmental characterization for target acquisition, Report 1: Site description and measurements," Technical Report EL-93-9, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Carlson, G. E., and Radford, D. J. (1986). "Image metrics study," Electrical Engineering Department Report No. CSR 86-2, University of Missouri, Rolla, MO.

Hahn, C. (1994). "Grayling II site characterization and data summary," Technical Report prepared by the U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, for the Smart Weapons Operability Enhancement Program Office, Hanover, NH.

Rivera, S. (1994). "Analysis of thermal imagery collected at Yuma I, Yuma, Arizona," Technical Report prepared by the U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, for the Smart Weapons Operability Enhancement Program Office, Hanover, NH.

Sabol, B. M., and Hall, K. G. (1990). "Image metrics approach to understanding effects of terrain and environment on performance of thermal target acquisition systems," *SPIE* 1312, 310-329.

Sabol, B., and Rivera, S., Jr. (1991). "Analysis of scene conditions at the Light Helicopter Target Acquisition Subsystem Demonstration/Validation, Yuma Proving Ground, Arizona, September 1990," Technical Report EL-91-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

SAS Institute, Inc. (1988). *SAS Procedures Guide*, Release 6.03 ed., Cary, NC.

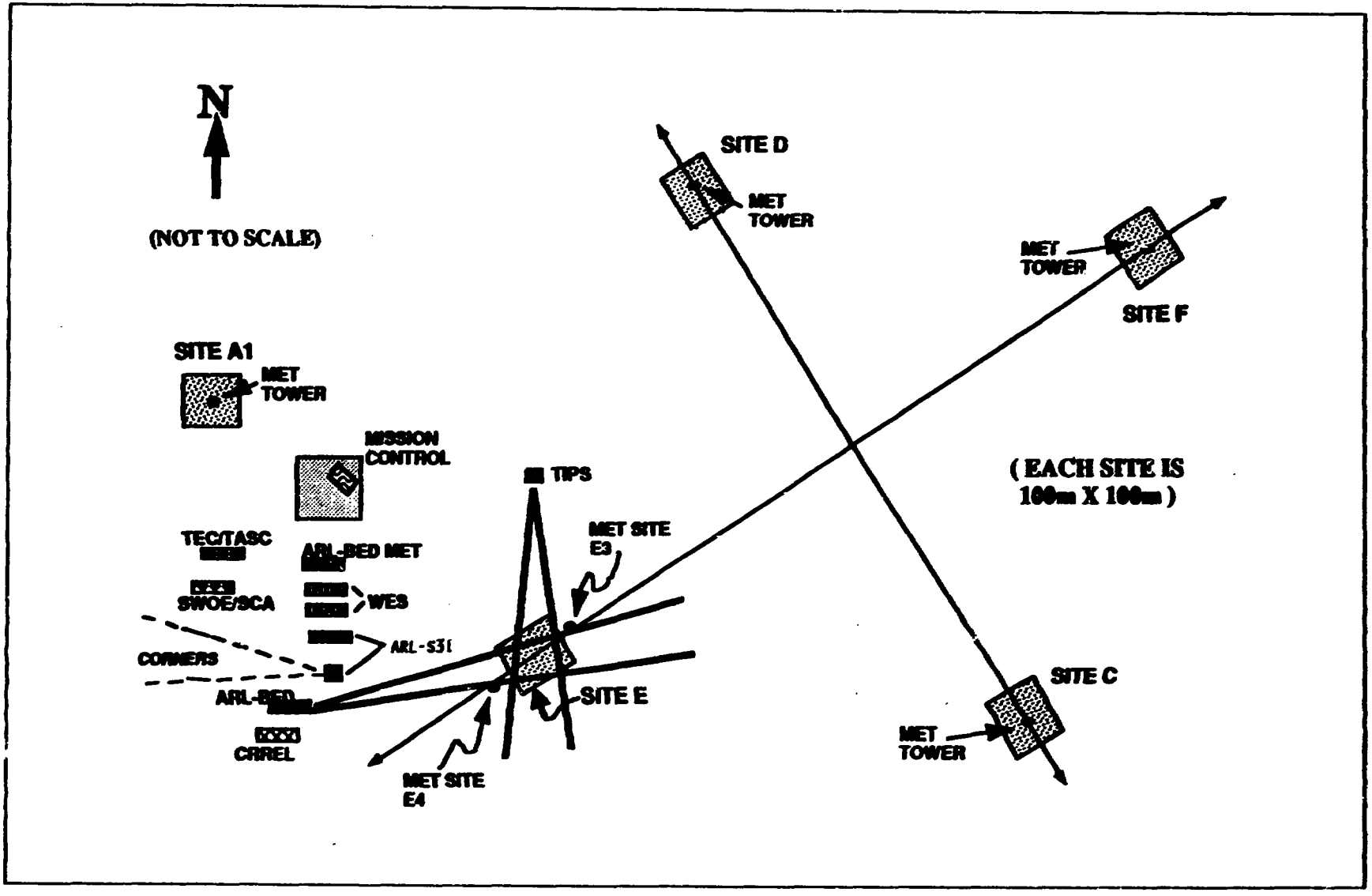


Figure 1. Grayling II site layout

Figure 2. Panoramic view from WES (trailer) showing Site E and surrounding area

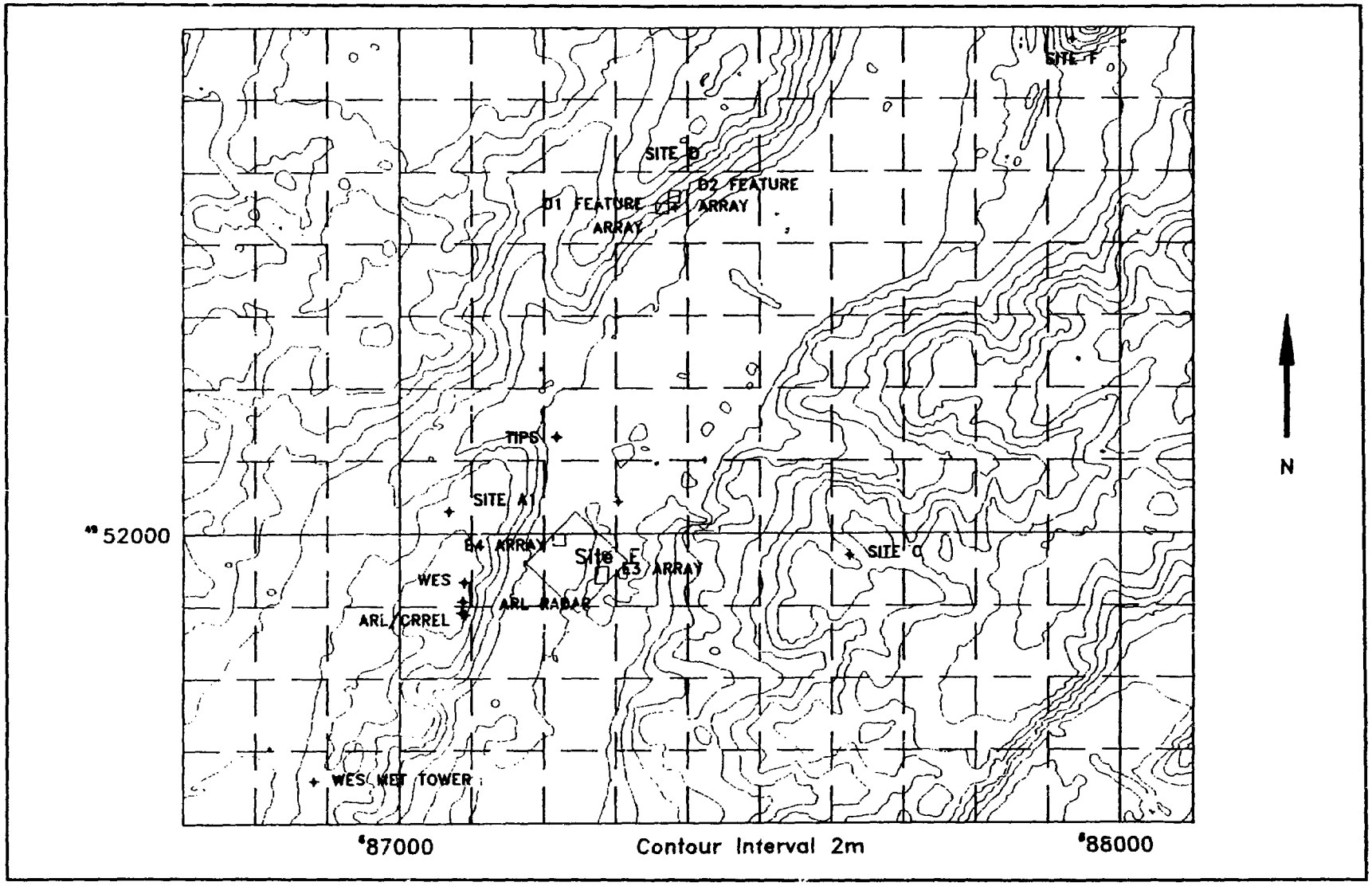


Figure 3. Contour map of Grayling II area with instrumentation sites

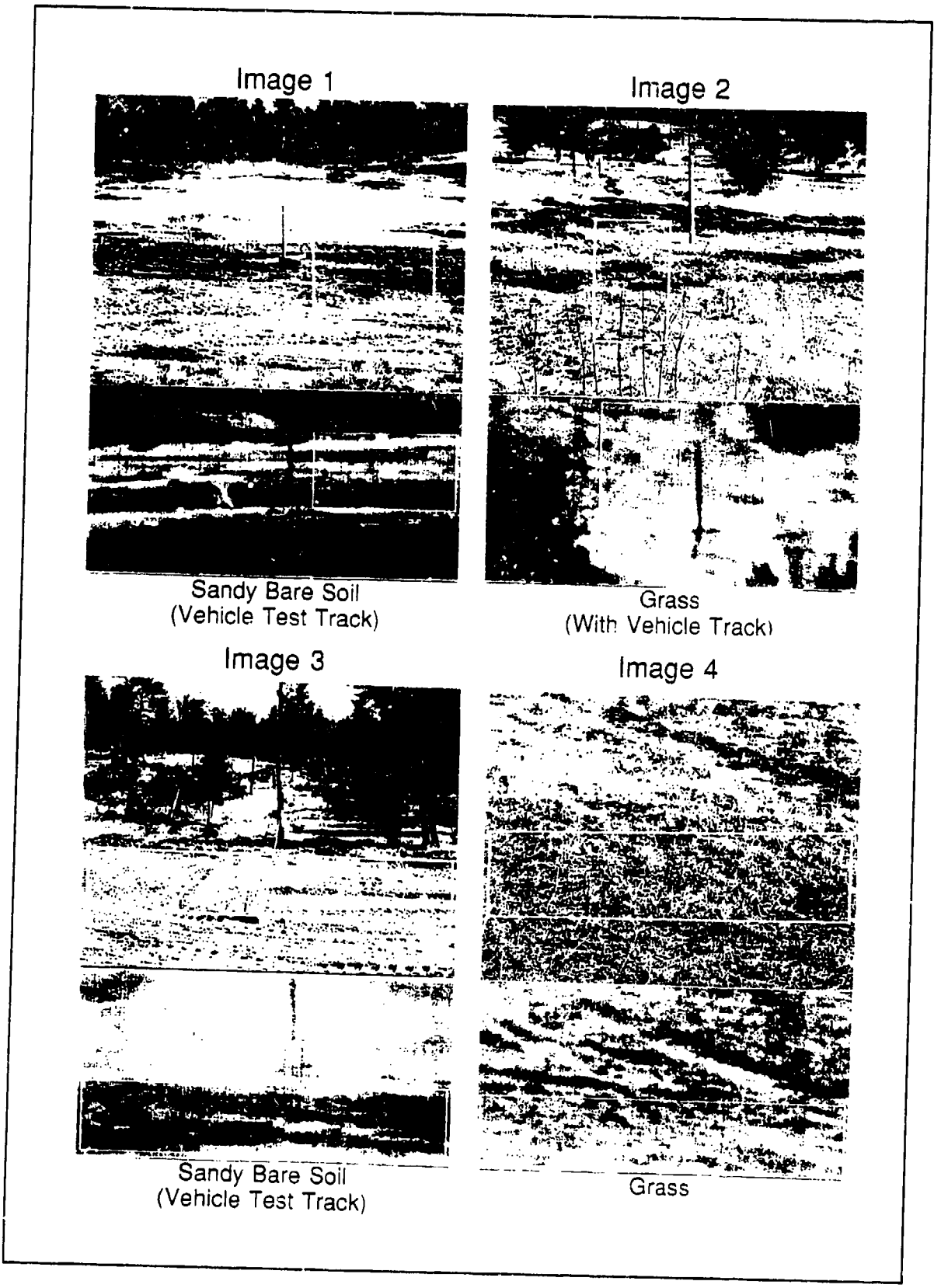


Figure 4. Color photographs with IR image (8 to 12 μm) of Grayling II terrain features (Sheet 1 of 3)

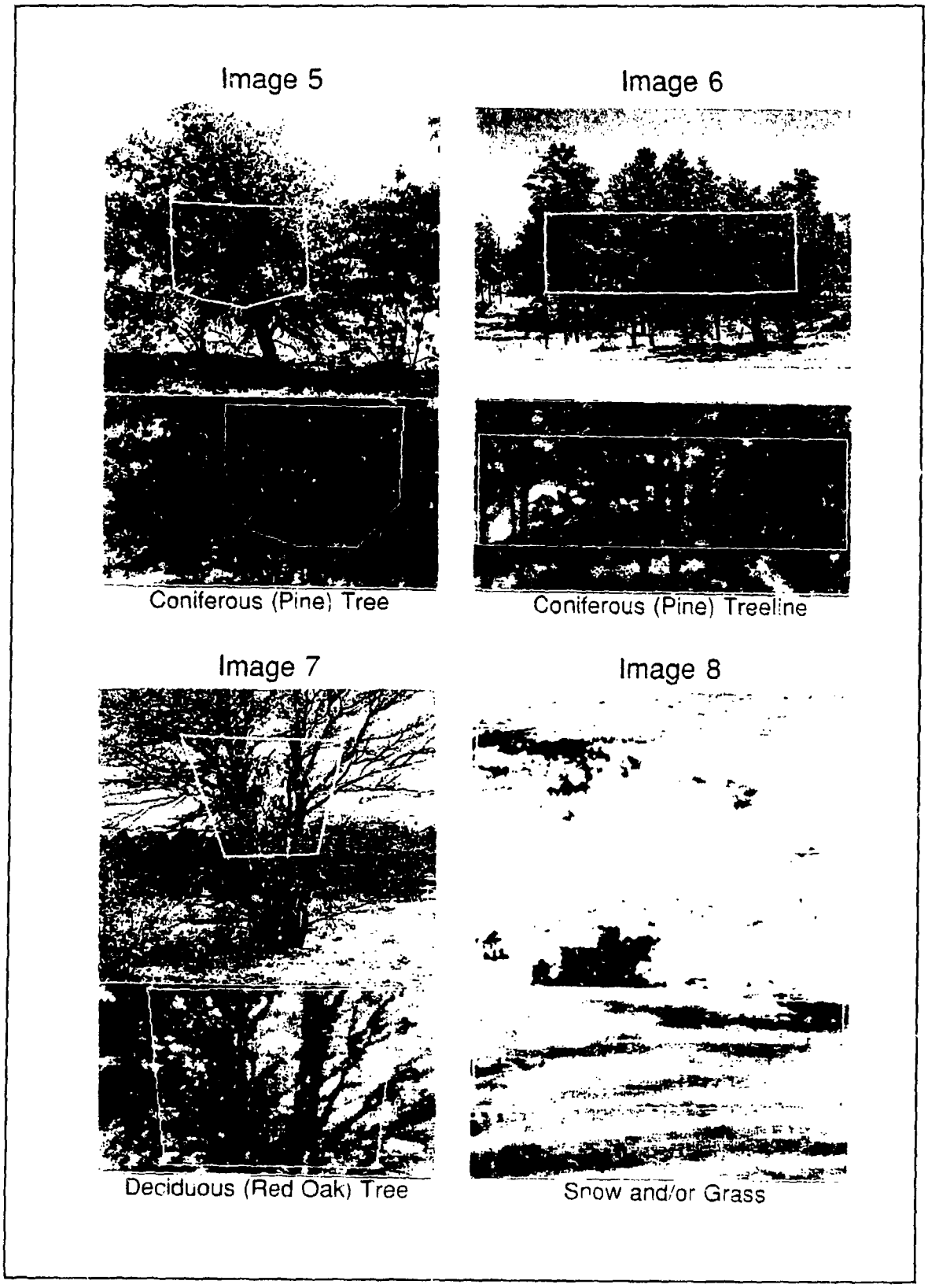


Figure 4. (Sheet 2 of 3)

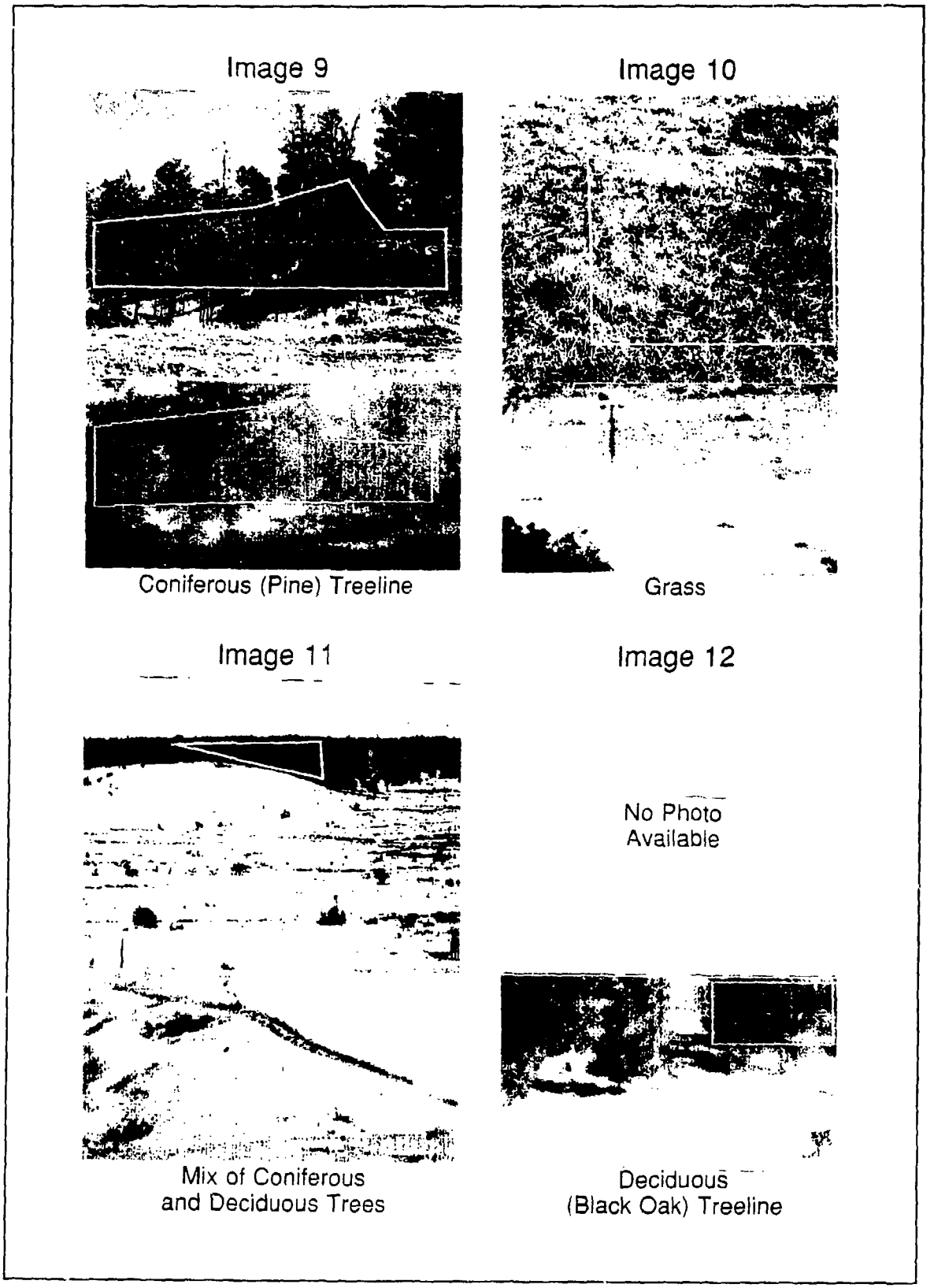


Figure 4. (Sheet 3 of 3)

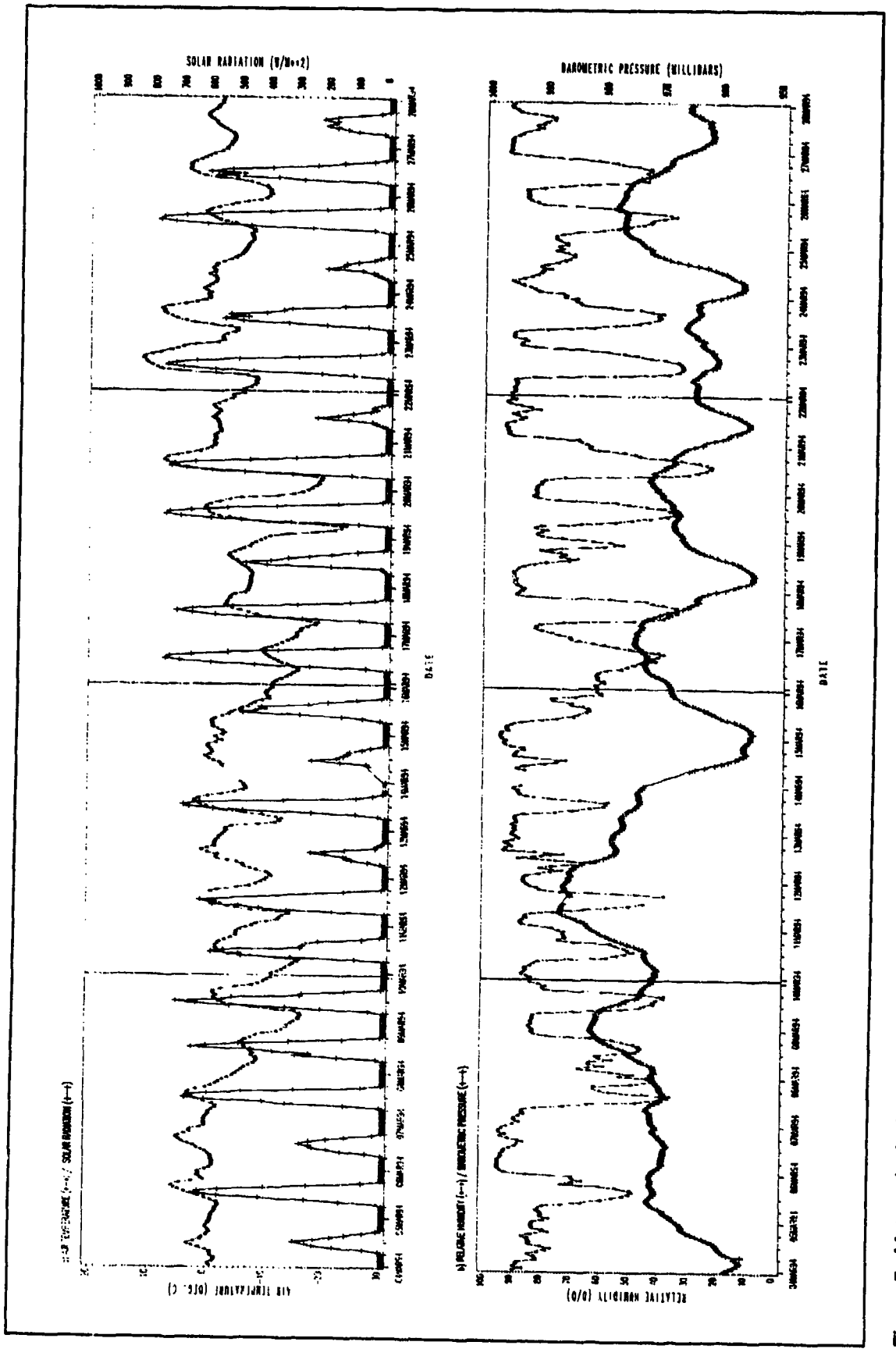


Figure 5. Meteorological conditions during Grayling II (Sheet 1 of 4)

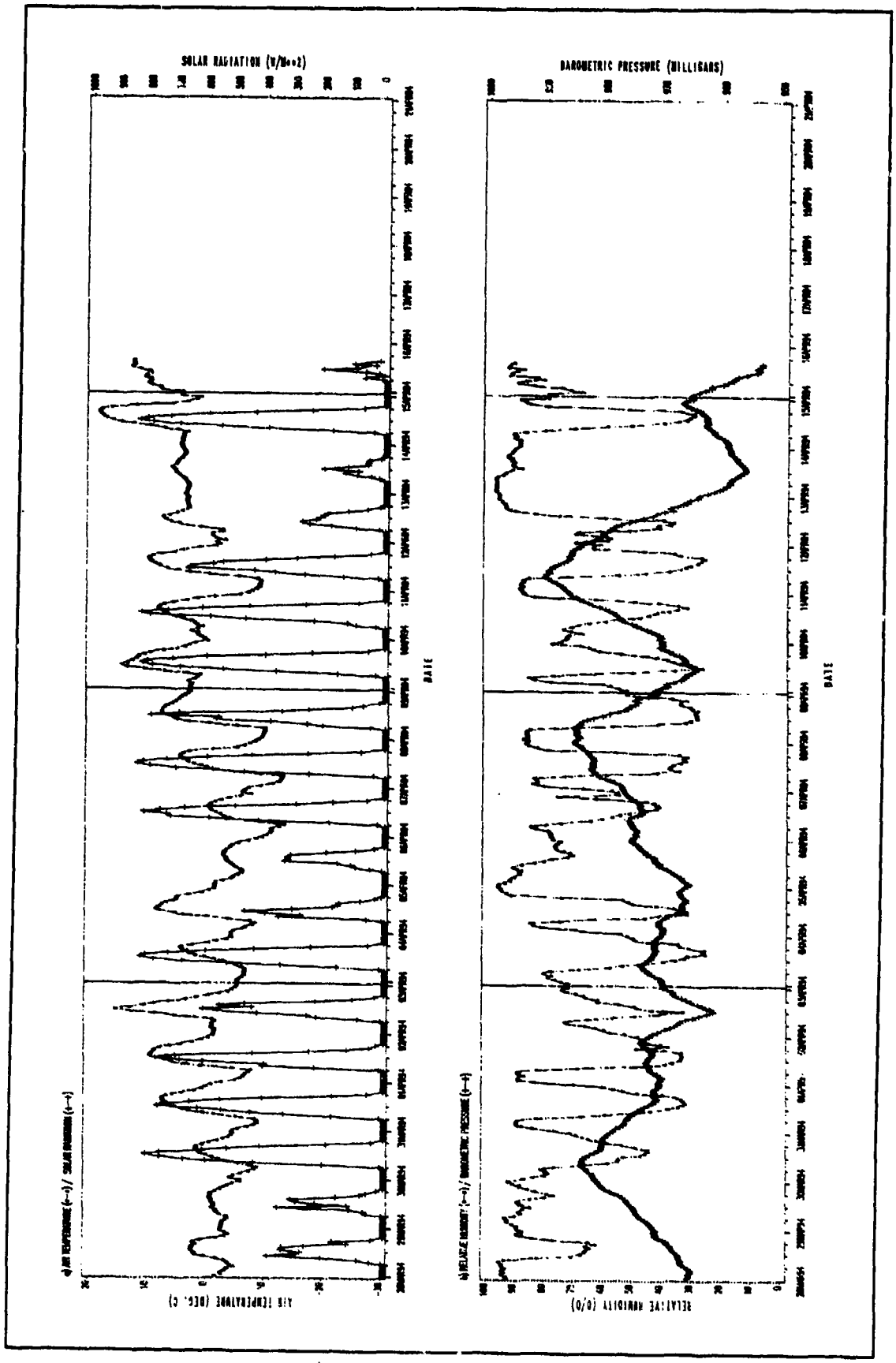


Figure 5. (Sheet 2 of 4)

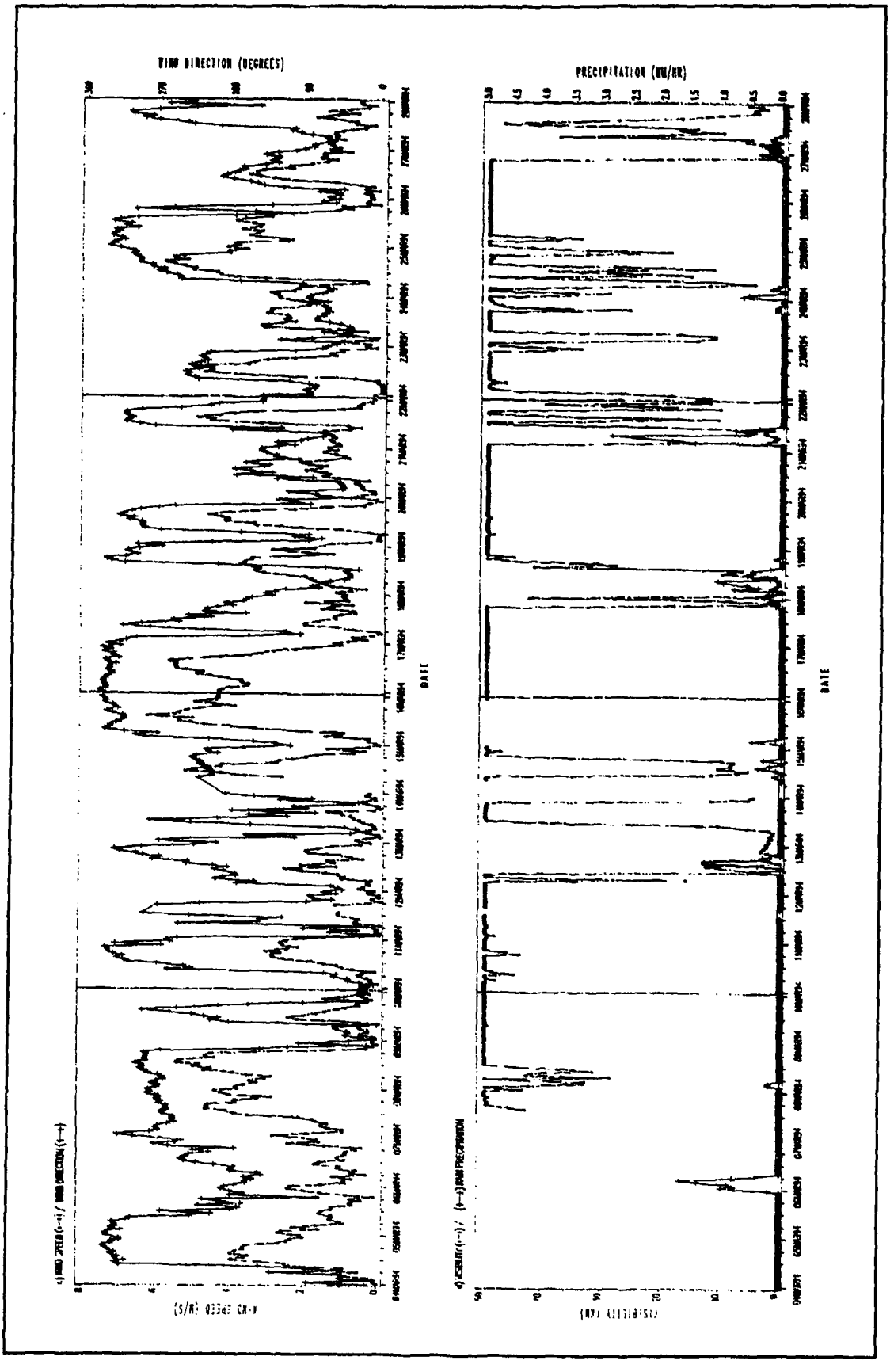


Figure 5. (Sheet 3 of 4)

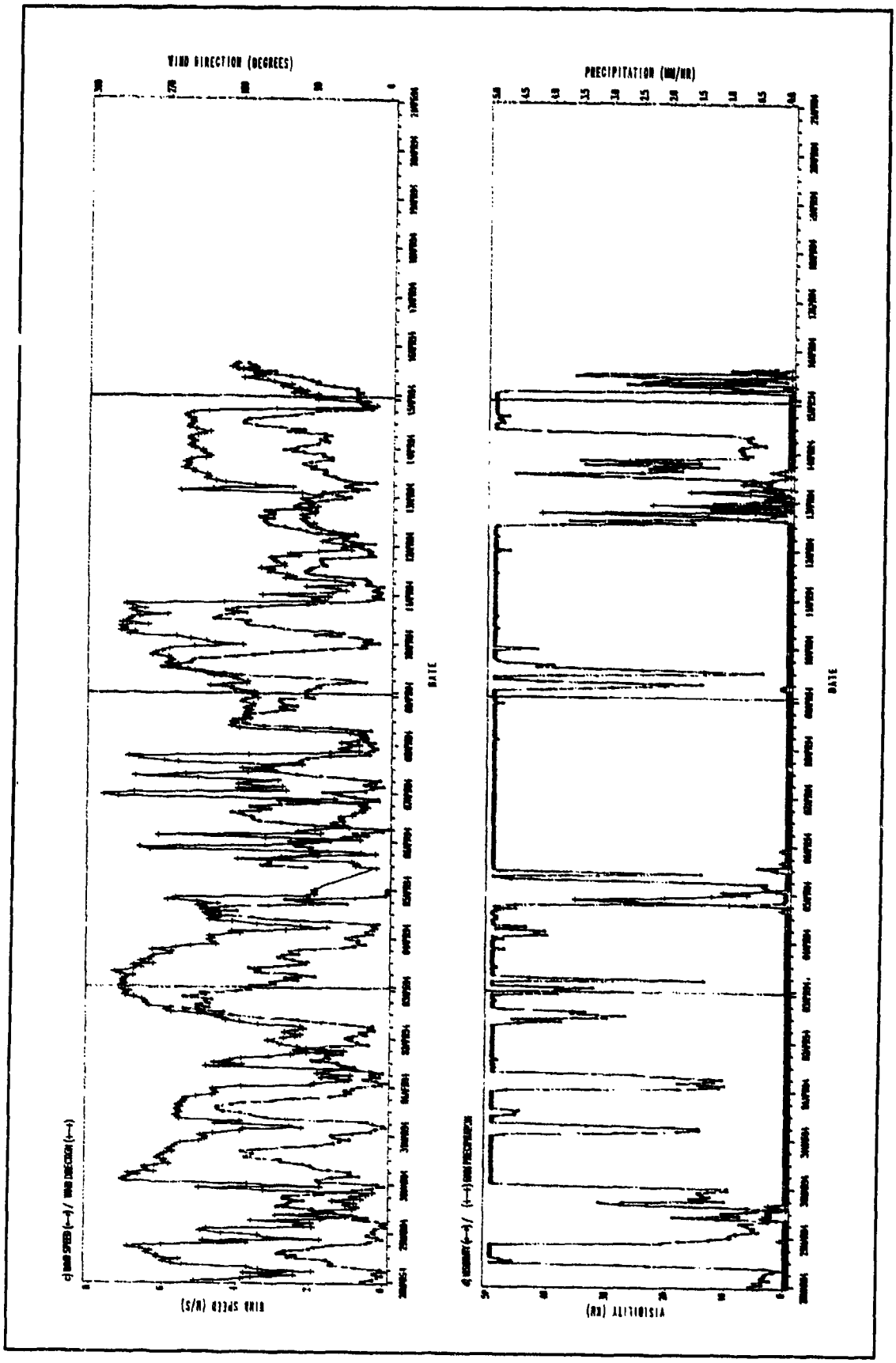


Figure 5. (Sheet 4 of 4)

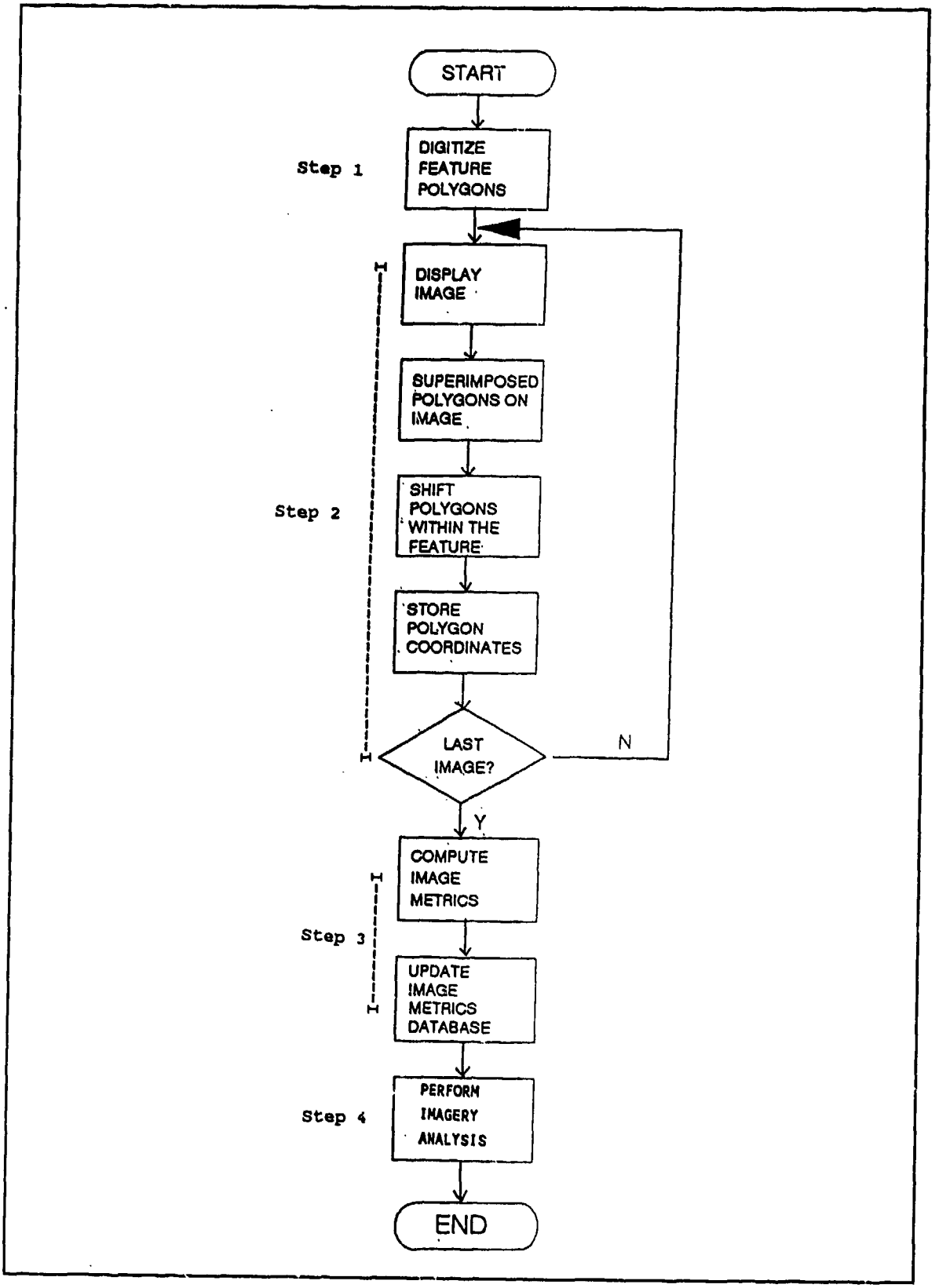


Figure 6. Grayling II IR imagery processing procedure

THIS PAGE INTENTIONALLY

LEFT BLANK

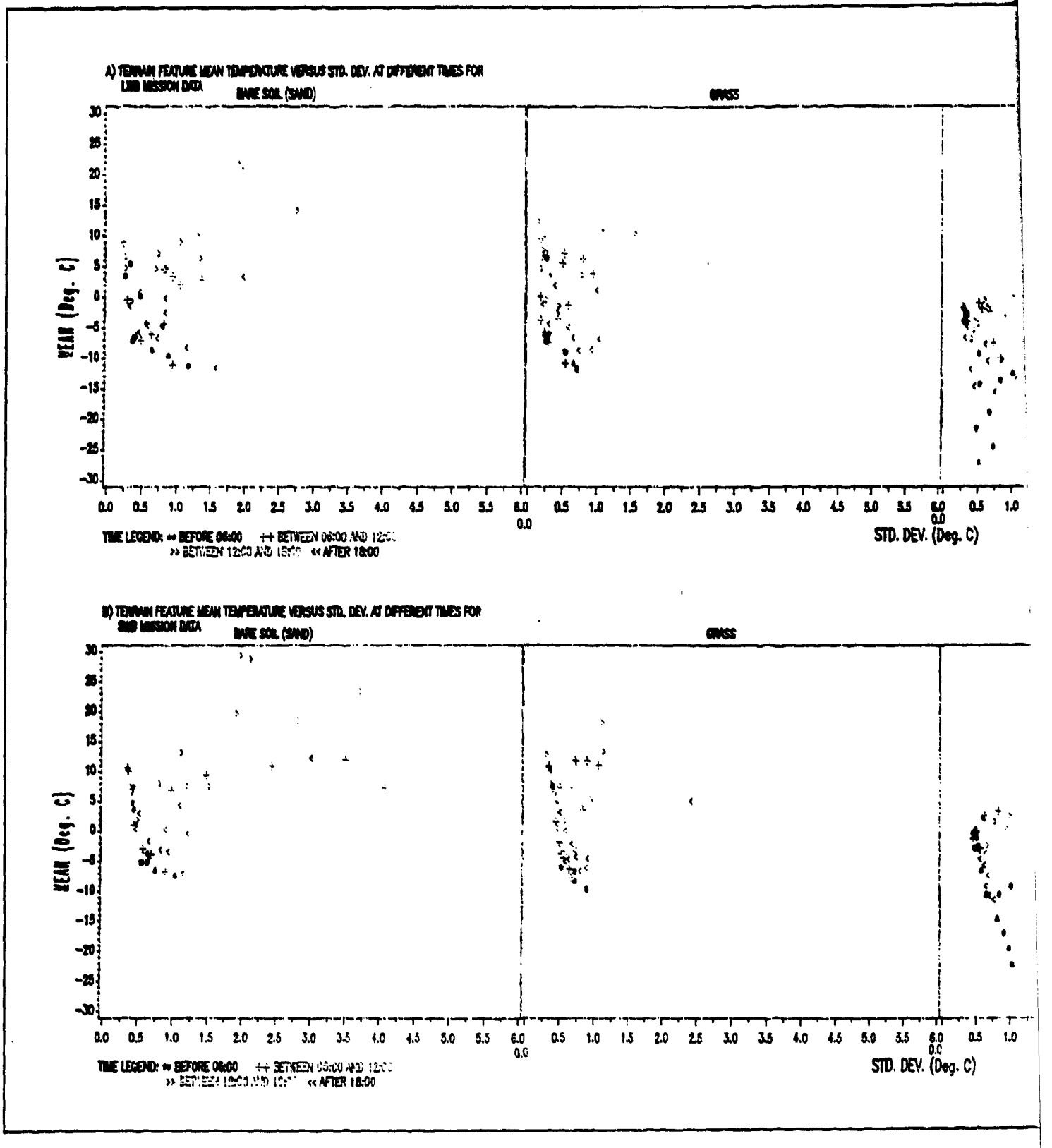
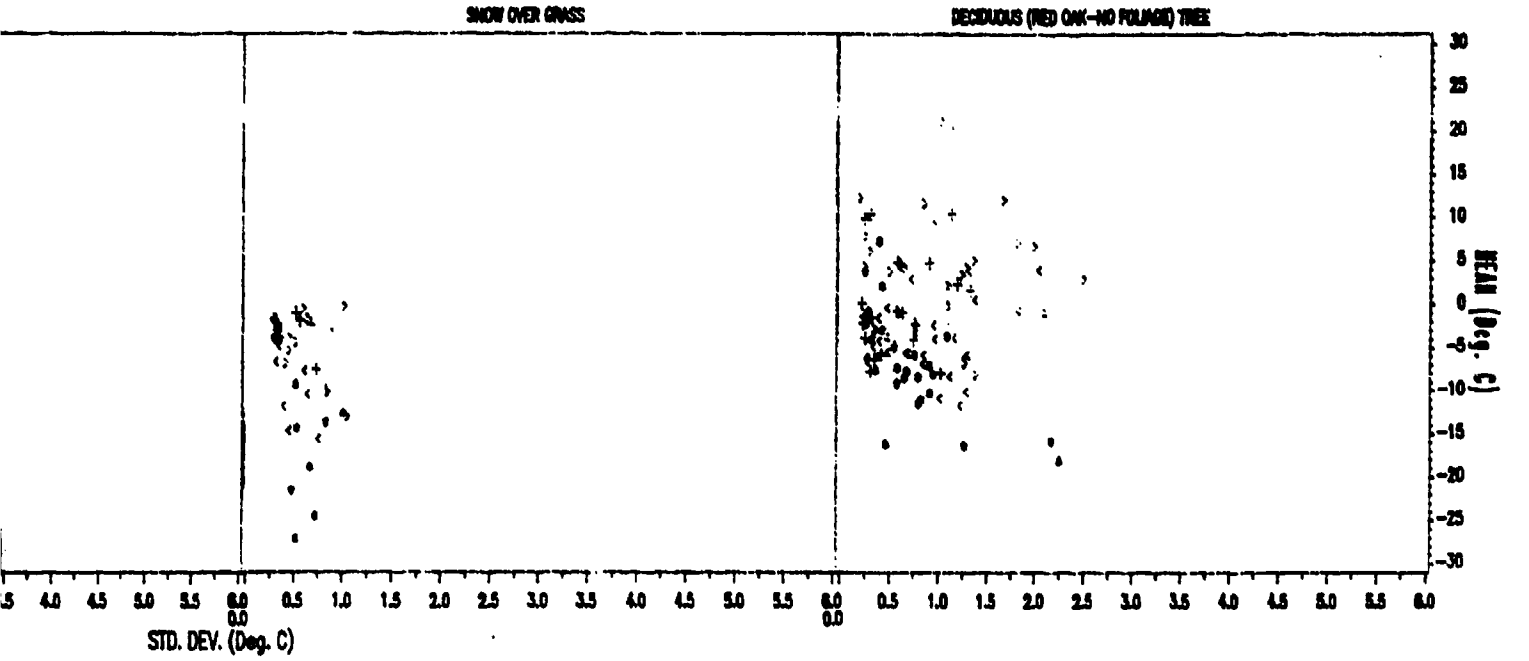
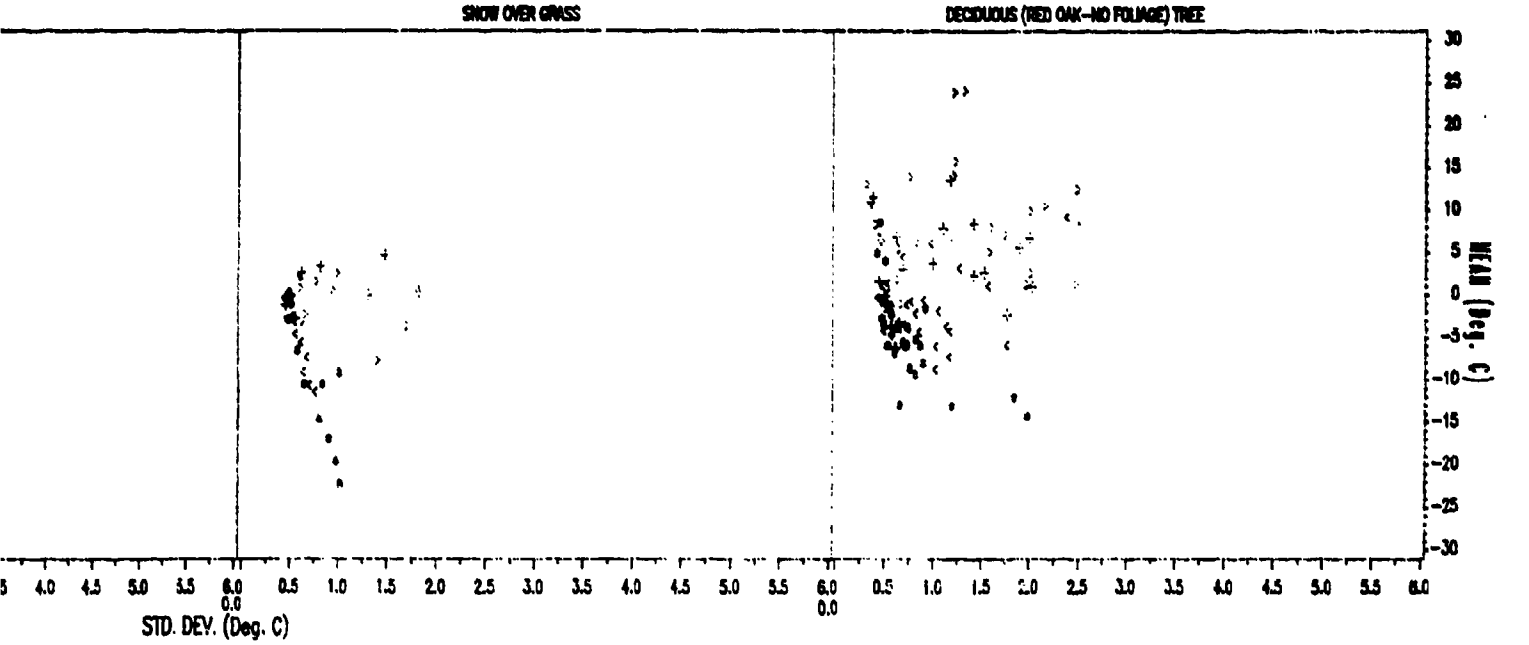
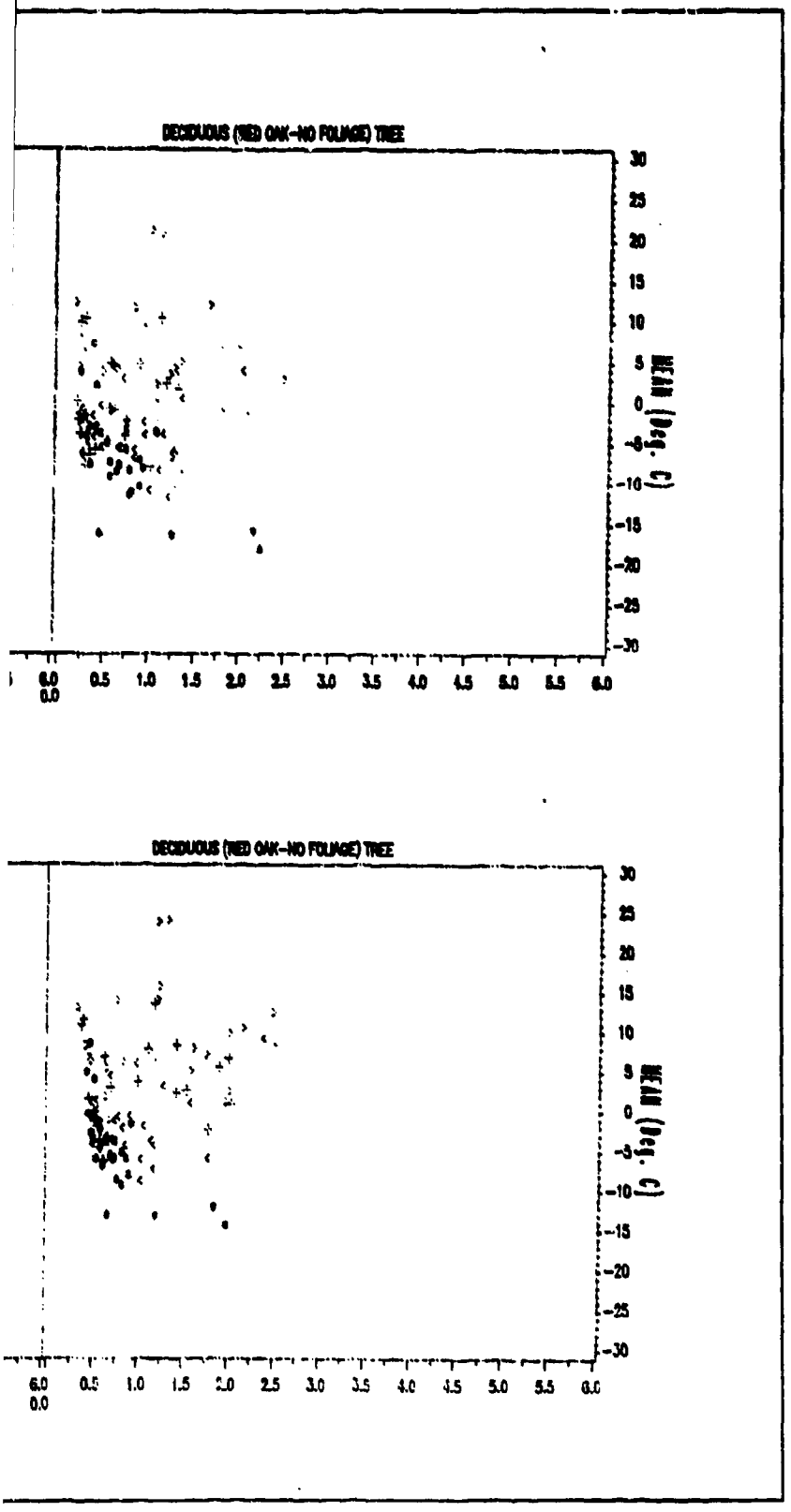


Figure 7. Terrain features' LWB and SWB IR signatures by time of day during Grayling II exercise (04MAR-15APR94) (Continue





cise (04MAR-15APR94) (Continued)


DECIDUOUS (RED OAK–NO FOLIAGE) TREE
MEAN (Deg. C)
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
DECIDUOUS (RED OAK–NO FOLIAGE) TREE
MEAN (Deg. C)
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0

3 0 3

THIS PAGE INTENTIONALLY
LEFT BLANK

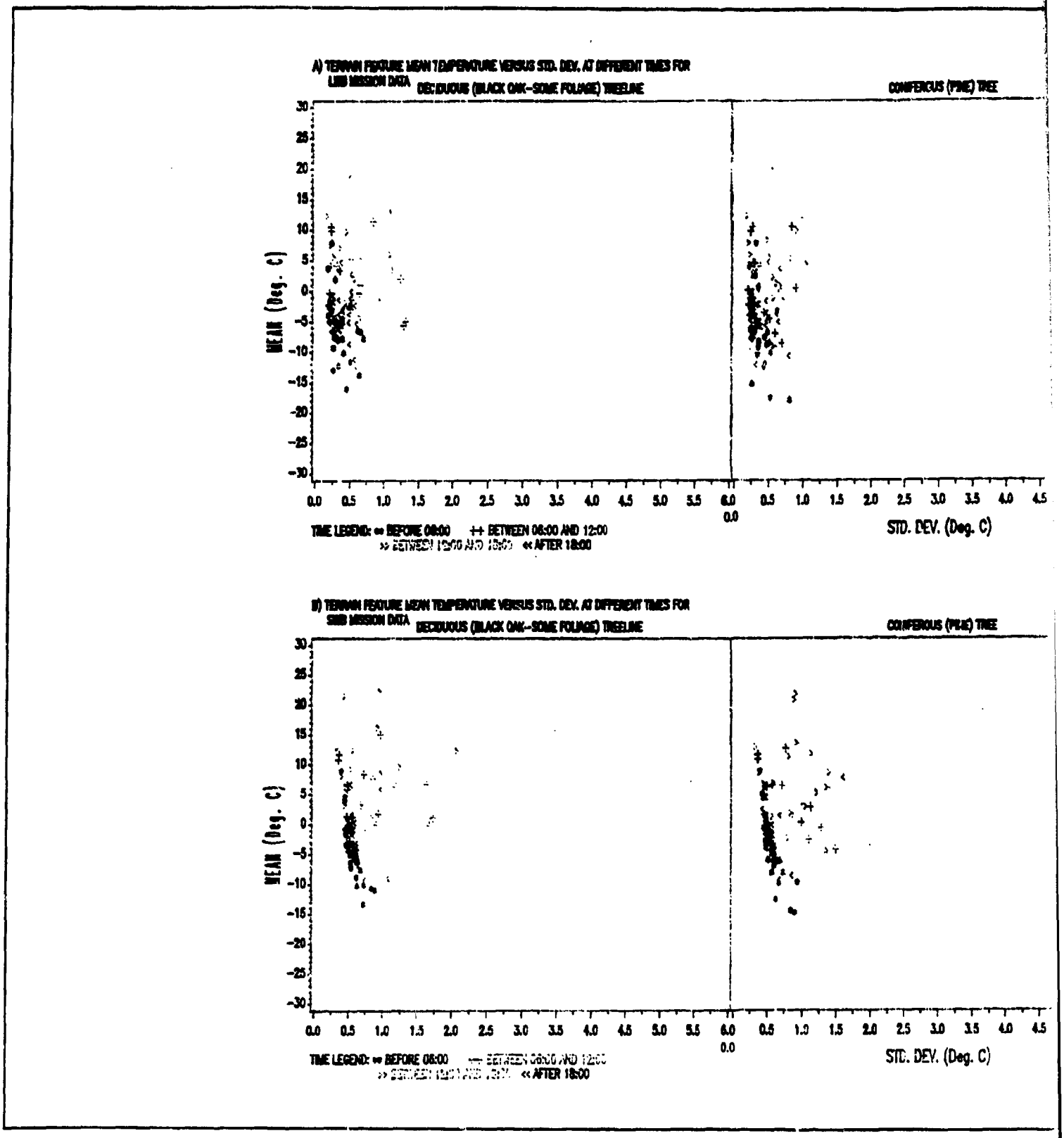
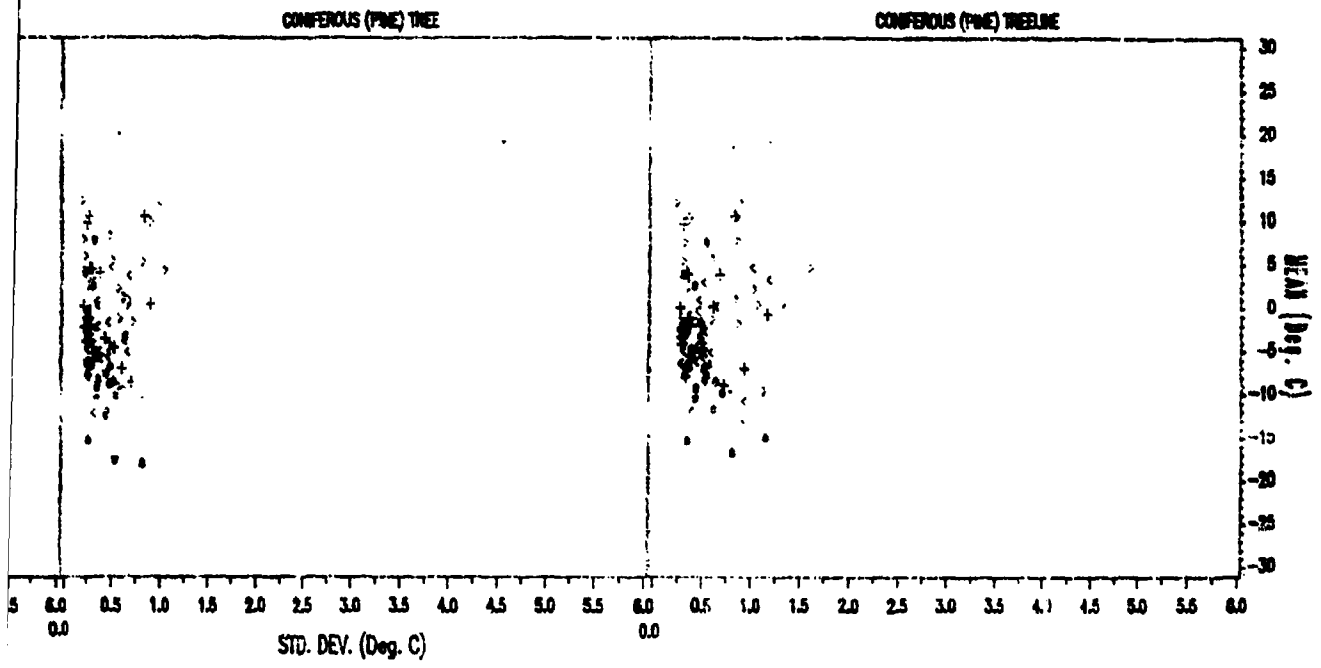
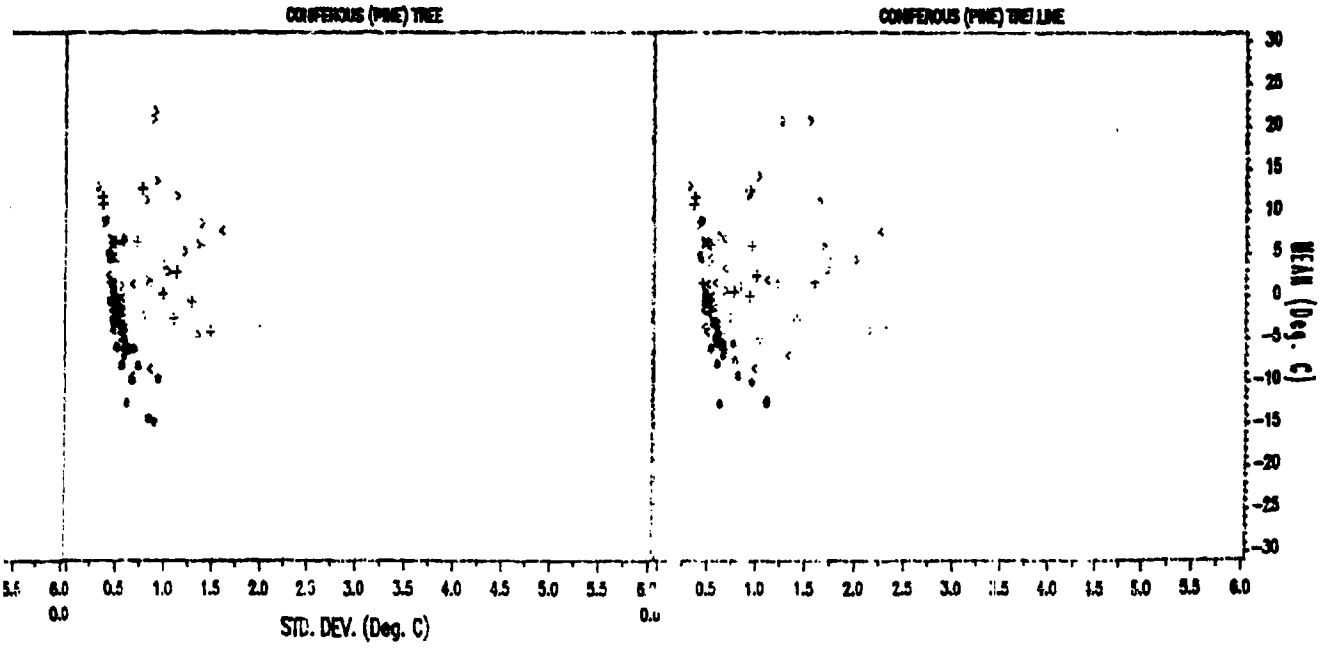


Figure 7. (Concluded)


CONIFEROUS (PINE) TREE
CONIFEROUS (PINE) TREELINE
MEAN (Deg. C)
STD. DEV. (Deg. C)


CONIFEROUS (PINE) TREE
CONIFEROUS (PINE) TREELINE
MEAN (Deg. C)
STD. DEV. (Deg. C)

202

THIS PAGE INTENTIONALLY

LEFT BLANK

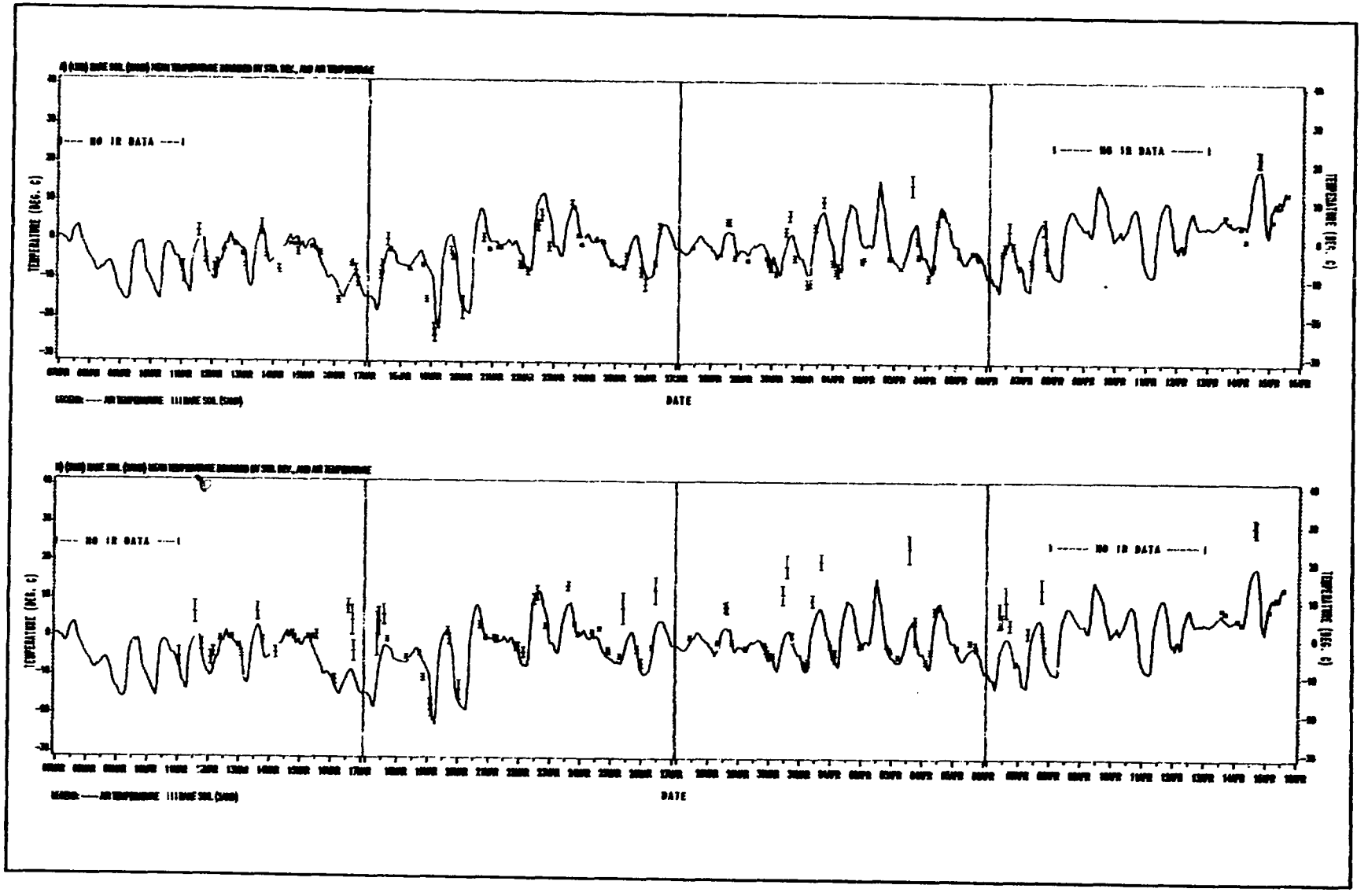


Figure 8. Bare soil LWB and SWB IR signatures and air temperature (E3 station, 2 m above ground) during Grayling II exercise

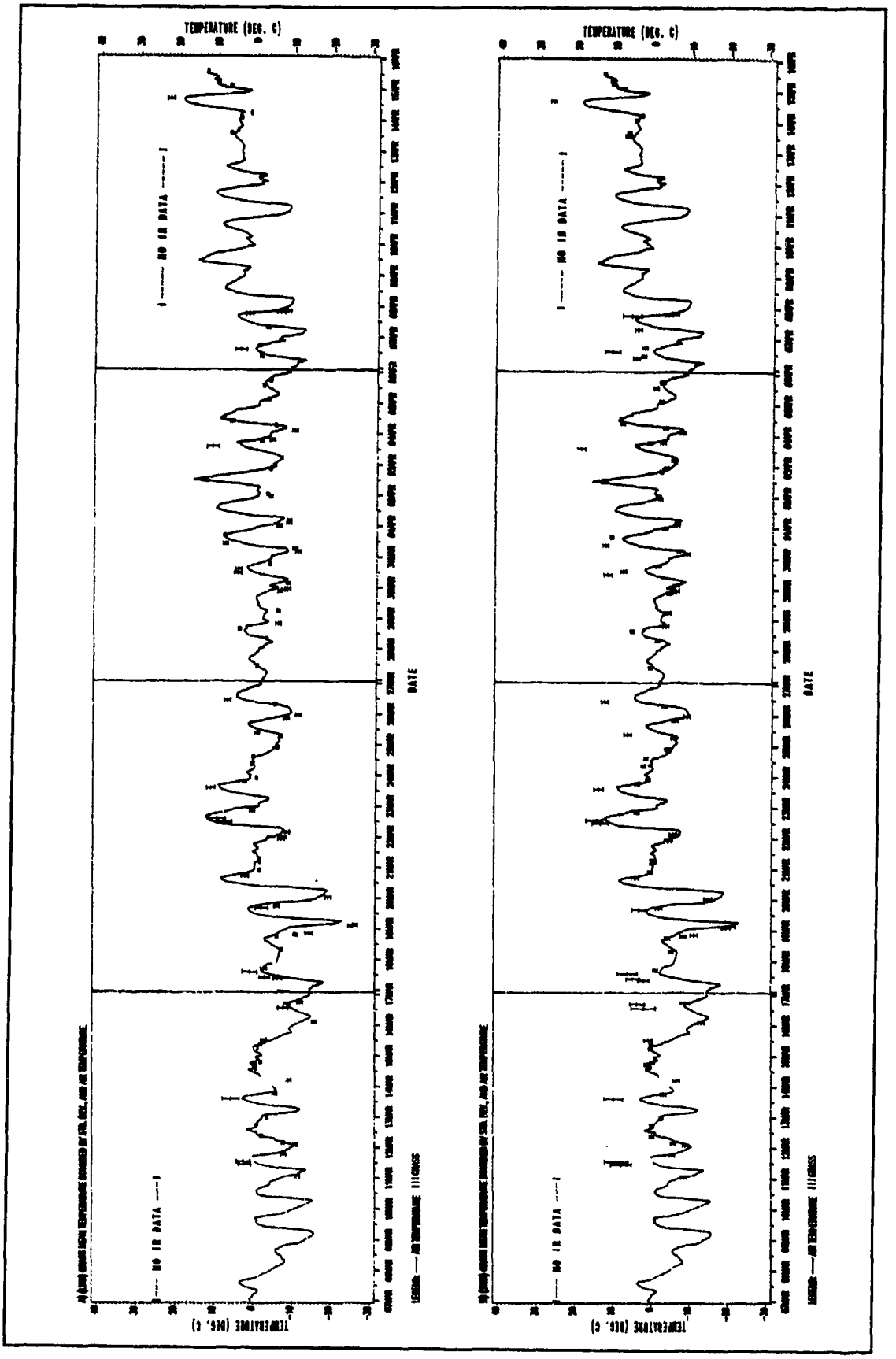


Figure 9. Grass LWB and SWB IR signatures and air temperature (E3 station, 2 m above ground) during Grayling II exercise

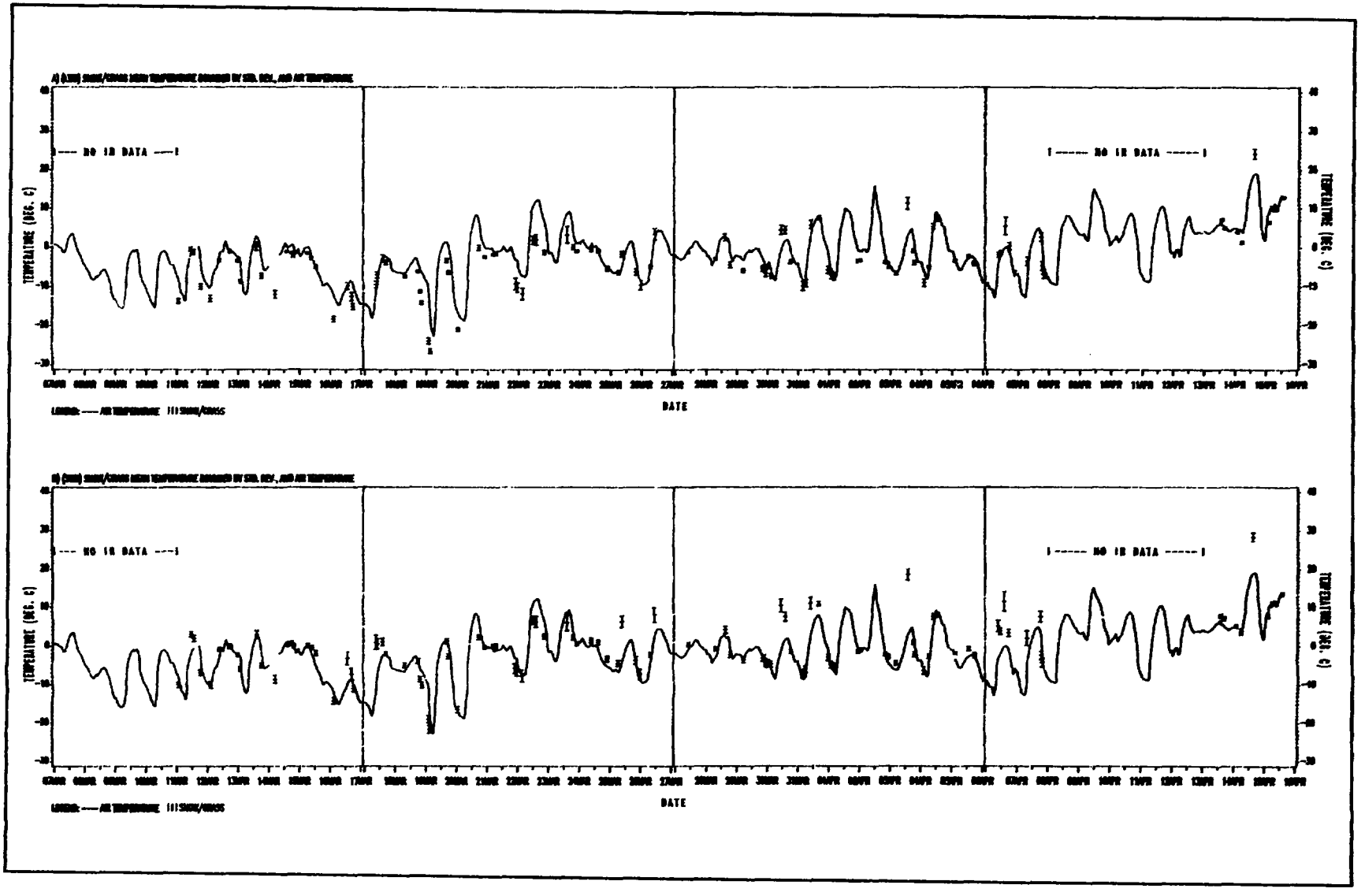


Figure 10. Snow and/or grass LWB and SWB IR signatures and air temperature (E3 station, 2 m above ground) during Grayling II exercise

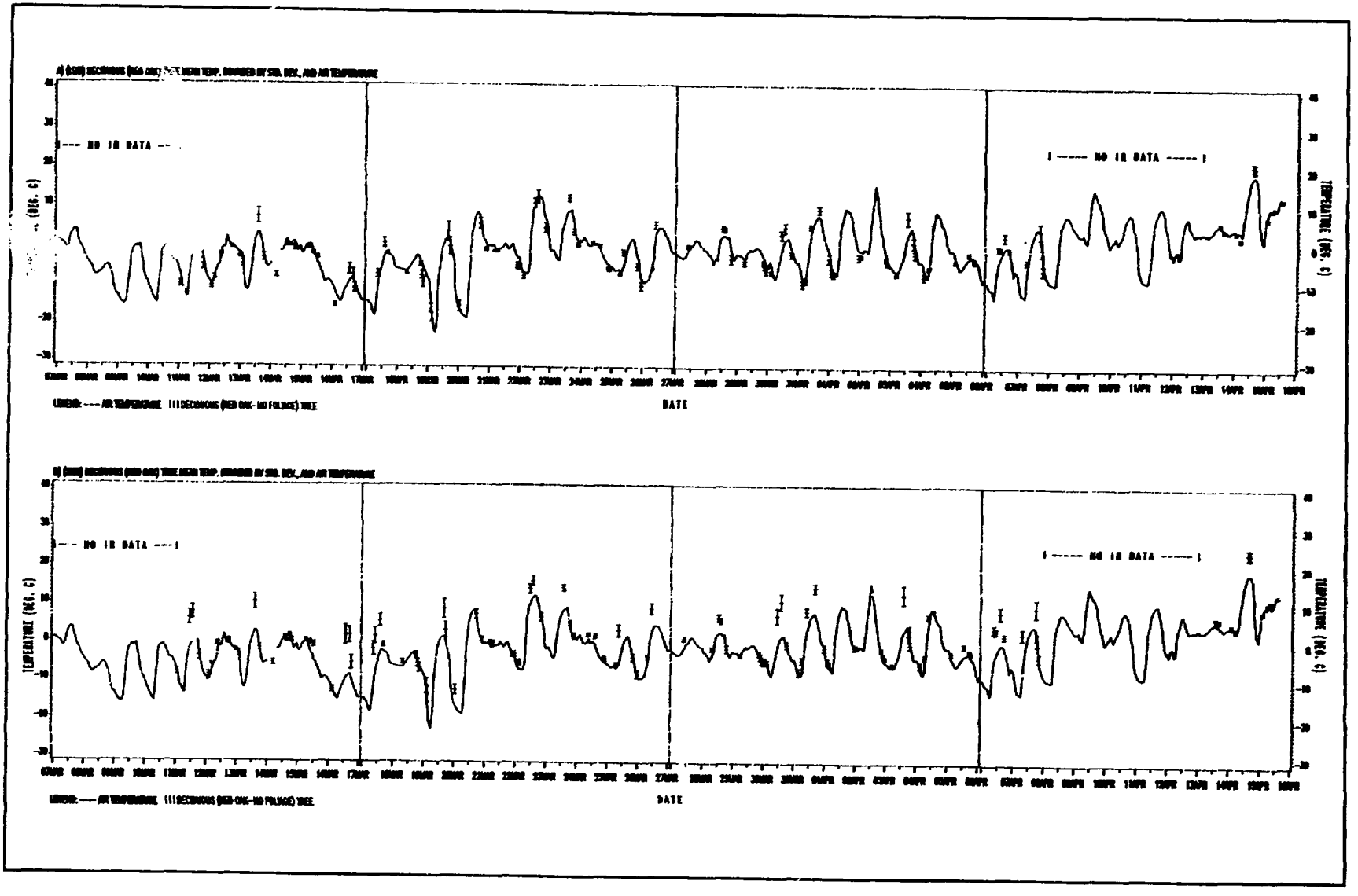


Figure 11. Deciduous (red oak) tree LWB and SWB IR signatures and air temperature (E3 station, 2 m above ground) during Grayling II exercise

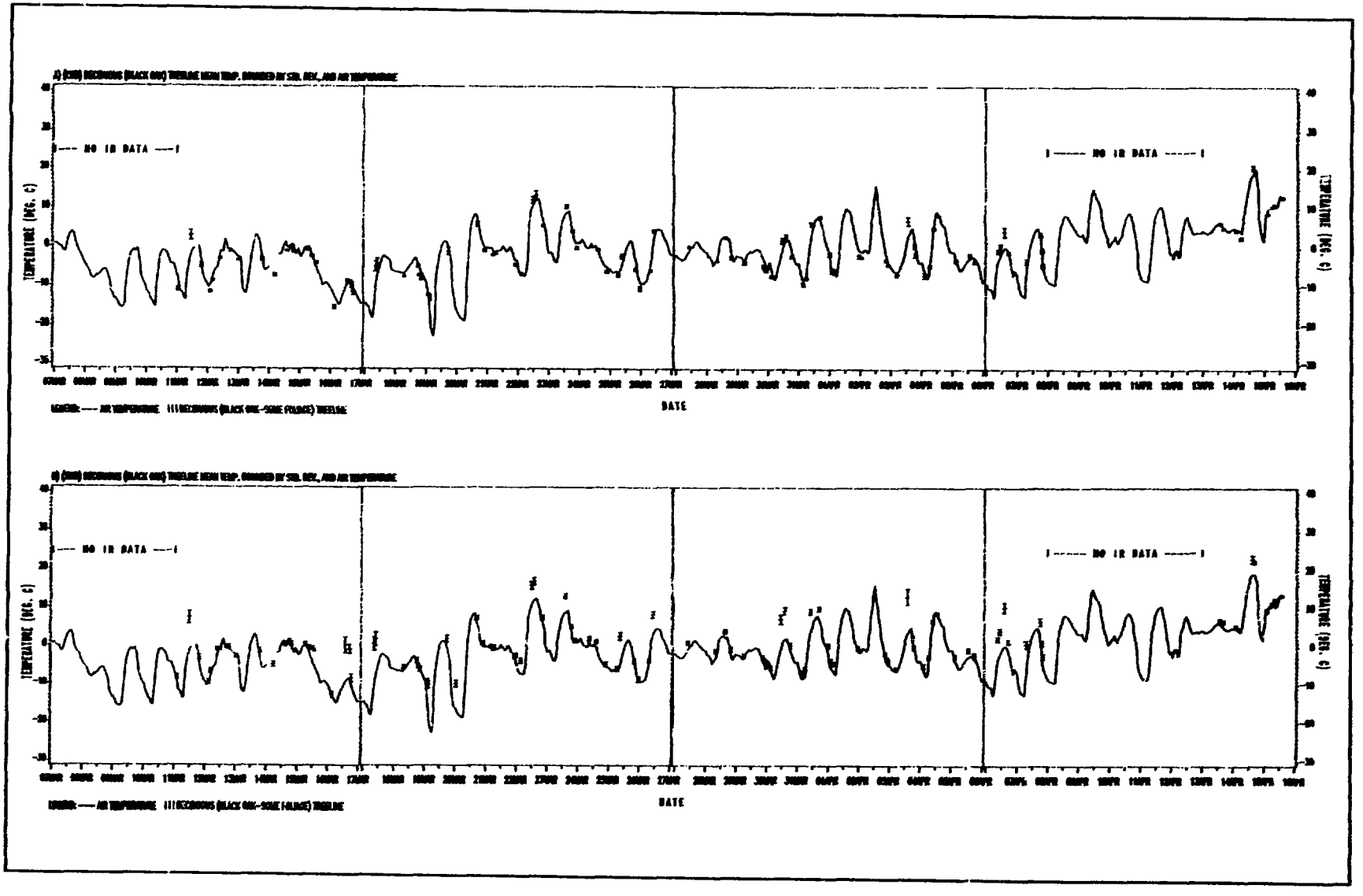


Figure 12. Deciduous (black oak) treeline LWB and SWB IR signatures and air temperature (E3 station, 2 m above ground) during Grayling II exercise

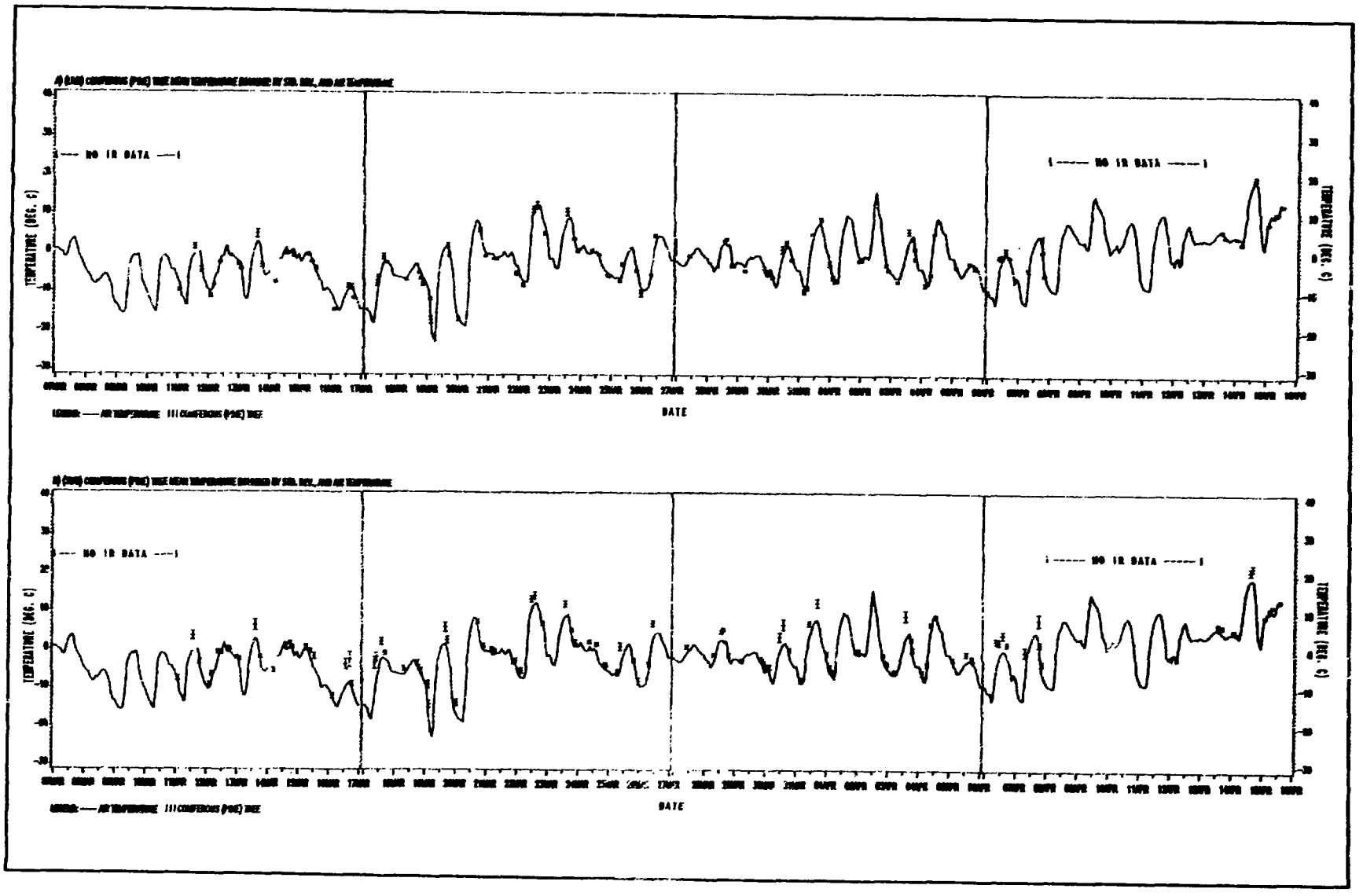


Figure 13. Coniferous (pine) tree LWB and SWB IR signatures and air temperature (E3 station, 2 m above ground) during Grayling II exercise

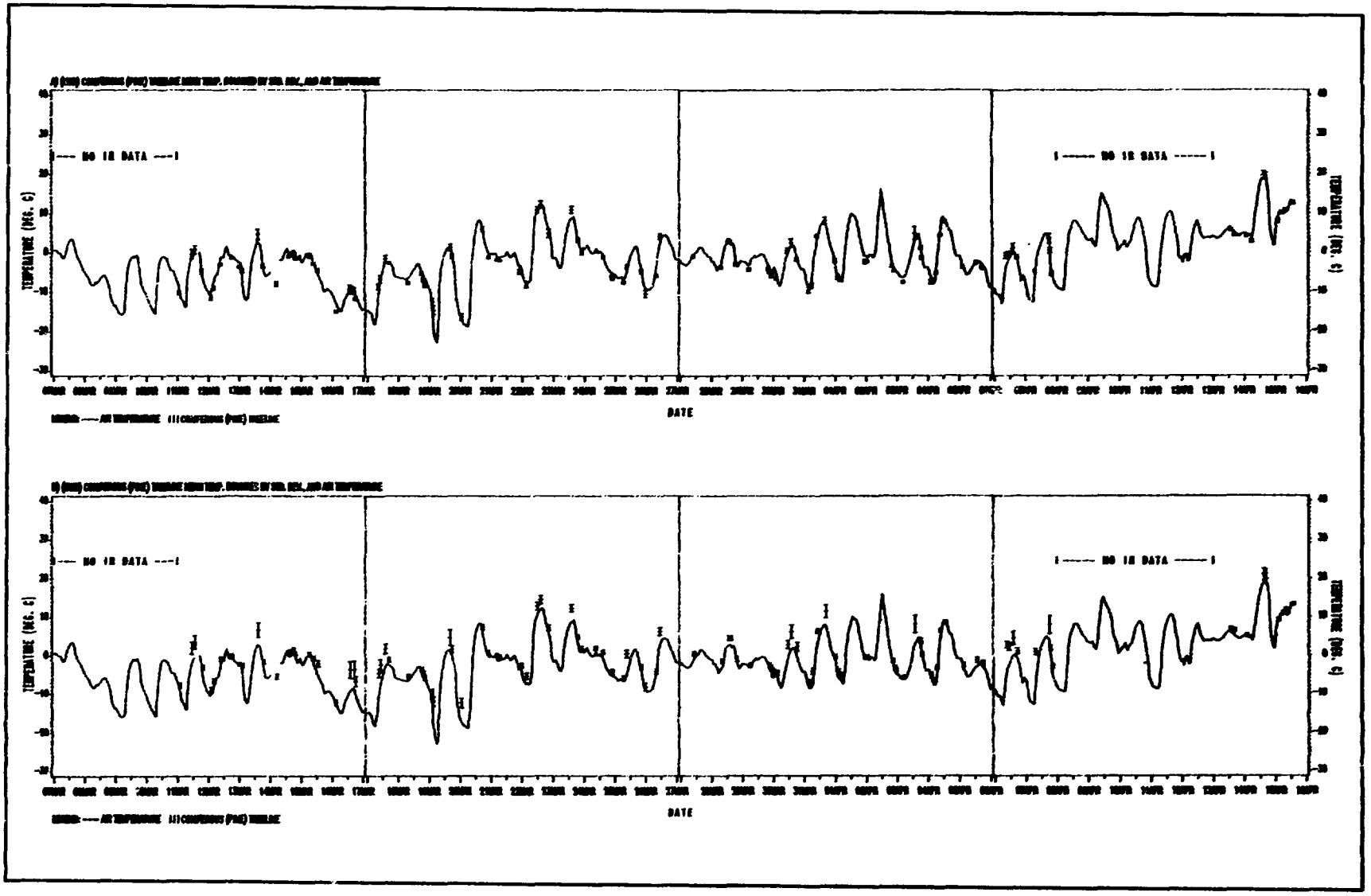


Figure 14. Coniferous (pine) treeline LWB and SWB IR signatures and air temperature (E3 station, 2 m above ground) during Grayling II exercise

Table 1
IR Camera Specifications

Specification	Wave Band	
	SWB	LWB
Model	Erika Thermovision 900 series - 900 SW	Erika Thermovision 900 series - 900 SW
Wavelength band	2 to 5.6 µm	8 to 12 µm
FOV lens	2.50h by 1.25v	2.50h by 1.25v
Screen resolution	272h by 136v	272h by 136v
Image resolution	12-bit (4096 levels)	12-bit (4096 levels)
Radiometric sensitivity	0.1 °C at 30 °C object temperature	0.08 °C at 30 °C object temperature
Radiometric accuracy	± 1% or ± 1 °C	± 1% or ± 1 °C
Radiometric repeatability	± 0.5% or ± 0.5 °C	± 0.5% or ± 0.5 °C

Table 2
SWOE 1-Hr Missions Schedule

Month	March 1994																											
Day	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed
Date	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Hour	0	25	49	73	97	121	145	169	193	217	241	265	289	313	337	361	385	409	433	457	481	505	529	553	577	601	625
midnight										37																	
1							23	29									65										
2		9							33	38		45				61											
3													49			62			73					93			105
4									34								66	69						94			
5						21					41															101	
6												46						70				85		95			
7		6			17										57								89				
8						22																			97		
9						23			38			47		53							81	88					
10			9			24								54									90	98			
11			10				26	30											74							106	
12							27																				
13			11	13			29	31				48	50												96		
14					18					38	42			55					75	77	82						107
15	1			14																					99		
16		7	12													63							91				
17	2	8											51	56		64	67										
18	3			15	19				36	40	43		52		58												108
19								32			44				59					78					100		
20	4			16											60				76	79		87				102	
21					20																83					103	
22																	68	71		80	84						
23																		73				89	92			104	
Hour	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480	504	528	552	576	600	624	648
Day #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Julian Day	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89

1072

										April 1994															
o	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Day
	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Date
D	457	481	505	529	553	577	601	625	649	673	697	721	745	769	793	817	841	865	889	913	937	961	985	1009	Hour
										113															midnight
											117							145							1
										114			125				141						165	169	2
					93			105						129			142			153					3
					94				109	115								146	149						4
							101					121										161	166		5
			85		95				110				126						150					170	6
				89												137						162			7
						97																		171	8
		81	86										127		133										9
				90	96				111						134										10
								106												154					11
																									12
						98							128	130								163			13
	77	82						107				122			135					155	157			172	14
						99																	167		15
				91					112								143					164	168		16
														131	136		144	147							17
								108				123		132		138									18
	76					100						124				139					158				19
	78		87				102				116					140				156	159				20
		83					103																		21
	80	84									118							148	151		160				22
			88	92			104			116	120								152						23
	480	504	528	552	576	600	624	648	672	696	720	744	768	792	816	840	864	888	912	936	960	984	1008	1032	Hour
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	Day #
	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	Julian Day

202

THIS PAGE INTENTIONALLY
LEFT BLANK

Table 3
Twelve Measurement Times for All 172 SWOE 1-Hr Missions (Sheet 1 of 5)

Calendar day month 1994	Julian day	Grayling II Mission number	Mission Start Time 24 Hour EST	validation frame first on minute from Mission start	5 second images set 1	5 second images set 2	5 second images set 3	5 second images set 4	5 second images set 5	5 second images set 6	5 second images set 7	5 second images set 8	5 second images set 9	5 second images set 10	5 second images set 11	5 second images set 12
4-Mar	63	1	15	41	4	7	11	14	22	31	33	34	41	44	45	46
		2	17	43	4	6	17	21	22	35	40	41	43	44	45	47
		3	18	42	1	6	8	9	13	26	34	42	49	54	55	58
		4	20	49	17	28	29	30	34	35	39	43	48	49	54	55
5-Mar	64	5	2	39	1	5	26	37	39	40	42	49	50	54	55	56
		6	7	43	5	7	9	11	22	32	35	38	41	43	48	50
		7	16	32	16	26	28	29	30	31	32	34	39	48	49	55
		8	18	15	4	7	8	14	15	23	28	34	36	44	48	50
6-Mar	65	9	10	36	8	10	14	30	31	34	36	37	44	53	54	57
		10	11	42	7	8	12	21	22	28	34	35	42	46	47	57
		11	13	5	5	6	7	10	12	13	25	32	38	48	52	54
		12	16	12	2	9	12	19	20	21	26	30	41	51	52	53
7-Mar	66	13	13	41	7	9	10	12	17	24	27	39	40	41	51	58
		14	15	58	13	14	15	19	33	34	36	37	38	47	48	58
		15	18	52	2	8	18	26	27	39	41	45	46	51	52	56
		16	20	50	4	10	24	29	37	38	39	40	43	46	50	60
8-Mar	67	17	7	59	3	6	12	13	18	21	22	25	29	48	55	59
		18	14	42	22	24	30	33	40	42	49	50	51	52	53	54
		19	18	18	1	4	8	12	16	18	31	40	47	53	55	58
		20	21	31	4	26	30	31	36	38	39	45	48	48	52	56
9-Mar	68	21	5	5	5	19	21	26	34	35	36	38	48	49	59	60
		22	8	25	10	19	20	25	29	30	32	37	41	42	49	53
		23	9	25	1	2	9	14	19	25	28	30	40	42	46	52
		24	10	13	11	12	13	14	18	19	26	40	41	51	52	53
10-Mar	69	25	1	3	3	4	6	10	14	17	25	26	31	32	55	57
		26	11	57	6	14	22	26	31	41	42	44	51	52	57	59
		27	12	54	1	4	5	23	26	36	38	41	44	49	54	57
		28	13	32	5	6	7	16	25	32	40	48	54	57	58	59
11-Mar	70	29	1	39	2	3	10	11	13	23	26	32	33	38	39	48
		30	11	20	1	7	14	18	18	20	23	37	43	46	48	52
		31	13	28	17	19	20	25	28	33	35	38	48	53	54	60
		32	19	9	4	5	9	17	18	19	31	33	34	35	50	55
12-Mar	71	33	2	14	1	14	18	19	20	21	35	41	42	49	53	54
		34	4	14	1	3	4	14	15	22	23	24	30	31	41	58
		35	9	44	5	8	20	21	22	33	41	44	48	49	53	55
		36	18	29	5	6	10	12	16	27	29	36	39	47	54	55
13-Mar	72	37	0	14	5	14	25	26	33	39	41	42	49	51	52	53
		38	2	26	5	7	11	14	25	26	31	39	42	43	49	55
		39	14	43	7	9	22	25	28	34	35	43	48	48	49	53
		40	18	50	5	17	19	20	21	26	27	40	42	43	47	50

Table 3 (Sheet 2 of 5)

Calendar day month 1994	Julian day	Grayling II Mission number	Mission Start Time 24 Hour EST	validation frame first on minute from Mission start	5 second images set 1	5 second images set 2	5 second images set 3	5 second images set 4	5 second images set 5	5 second images set 6	5 second images set 7	5 second images set 8	5 second images set 9	5 second images set 10	5 second images set 11	5 second images set 12
14-Mar	73	41	5	9	6	9	13	16	17	18	25	33	34	42	44	60
		42	14	34	4	10	14	16	17	19	27	30	34	48	53	59
		43	18	1	1	3	4	5	9	13	21	25	38	43	48	53
		44	19	50	2	6	7	11	19	23	30	37	40	42	43	50
15-Mar	74	45	2	36	6	7	8	9	13	14	25	31	36	55	57	59
		46	6	37	3	14	20	21	22	37	38	42	46	50	53	58
		47	9	48	3	14	17	28	31	32	34	35	36	39	48	54
		48	13	10	1	4	9	10	13	15	16	28	29	30	40	60
16-Mar	75	49	3	14	12	13	14	23	25	29	31	41	44	45	49	57
		50	13	42	2	7	13	27	28	37	38	40	41	42	52	58
		51	17	2	2	16	19	20	26	32	33	36	39	41	42	45
		52	18	7	1	5	7	17	21	22	23	24	36	50	52	59
17-Mar	76	53	9	9	3	7	8	9	10	11	19	24	36	51	54	58
		54	10	11	3	8	10	11	12	23	24	28	30	35	46	51
		55	14	19	19	20	21	23	29	32	36	37	49	50	51	53
		56	17	2	2	5	8	22	24	32	36	40	41	42	49	53
18-Mar	77	57	7	53	11	13	20	31	35	36	37	47	50	53	55	58
		58	18	16	1	7	16	17	19	20	26	33	45	46	47	59
		59	19	42	6	15	20	27	31	34	35	42	53	54	55	59
		60	20	56	2	9	18	22	26	34	37	38	47	48	52	58
19-Mar	78	61	2	37	3	8	11	15	16	17	31	36	37	44	47	58
		62	3	24	8	10	17	19	24	25	26	33	37	44	55	59
		63	16	6	3	6	13	19	27	30	38	40	42	48	52	53
		64	17	39	4	6	7	16	17	18	31	33	39	49	50	53
20-Mar	79	65	1	10	4	6	10	11	12	21	26	36	48	54	55	56
		66	4	42	2	11	14	29	31	38	40	42	48	50	55	58
		67	17	25	3	4	11	12	17	19	25	38	41	49	53	55
		68	22	7	7	12	21	22	23	30	36	37	40	44	46	47
21-Mar	80	69	4	45	2	13	16	28	29	31	39	45	46	47	53	58
		70	6	51	4	10	17	21	31	39	42	46	51	53	54	58
		71	22	13	1	2	4	5	13	15	21	30	34	37	39	46
		72	23	25	2	9	13	14	25	29	33	38	39	43	45	59
22-Mar	81	73	3	35	7	9	10	16	18	21	23	33	35	36	37	47
		74	11	51	11	19	22	26	42	45	50	51	53	54	55	57
		75	14	10	1	10	14	15	19	20	22	26	36	41	42	51
		76	20	36	4	18	19	20	21	22	33	38	44	45	51	52
23-Mar	82	77	14	17	6	13	17	20	37	39	41	42	44	50	52	60
		78	19	10	4	6	10	15	21	26	28	34	43	51	52	54
		79	20	21	9	12	15	16	19	21	23	28	37	44	52	56
		80	22	10	5	7	8	10	20	30	42	44	49	50	55	59

Table 3 (Sheet 3 of 5)

Calendar day month 1994	Julian day	Grayling II Mission number	Mission Start Time 24 Hour EST	validation frame first on minute from Mission start	5 second images set 1	5 second images set 2	5 second images set 3	5 second images set 4	5 second images set 5	5 second images set 6	5 second images set 7	5 second images set 8	5 second images set 9	5 second images set 10	5 second images set 11	5 second images set 12
24-Mar	83	81	9	4	4	11	12	16	17	18	21	36	41	45	51	60
		82	14	47	5	7	8	17	25	26	28	35	42	47	48	56
		83	21	31	5	6	12	17	18	19	20	21	23	30	31	54
		84	22	3	3	4	19	21	24	33	34	36	52	53	54	57
25-Mar	84	85	8	46	7	15	17	18	23	25	31	36	39	41	46	47
		86	9	15	9	15	16	18	21	22	25	33	48	49	50	51
		87	20	9	9	10	11	12	17	25	35	37	41	47	53	54
		88	23	43	1	9	12	14	16	18	24	26	34	39	42	43
26-Mar	85	89	7	52	4	5	8	9	11	22	25	27	41	46	48	52
		90	10	51	2	8	11	19	40	41	42	47	50	51	54	58
		91	16	25	3	4	5	7	10	16	25	27	29	42	49	50
		92	23	32	3	7	14	32	34	37	42	43	50	52	54	57
27-Mar	86	93	3	50	3	11	14	15	18	21	26	29	50	51	53	60
		94	4	5	2	4	5	10	12	13	16	17	36	46	49	57
		95	6	11	5	6	7	11	19	23	30	39	41	47	56	60
		96	10	48	1	4	10	17	32	35	37	40	42	44	45	48
28-Mar	87	97	8	6	6	7	8	22	23	24	32	35	36	38	47	53
		98	13	24	6	10	18	27	31	32	33	36	44	52	56	58
		99	15	6	6	11	21	22	30	43	45	47	48	58	59	60
		100	19	26	2	7	8	11	17	22	28	33	35	38	52	53
29-Mar	88	101	5	52	21	22	28	31	35	41	42	51	52	55	59	60
		102	20	57	5	6	12	20	24	29	38	41	42	43	44	57
		103	21	59	2	5	8	21	22	24	25	42	51	55	57	59
		104	23	11	1	11	12	14	19	30	31	35	39	47	49	58
30-Mar	89	105	3	24	3	4	7	12	15	24	46	47	48	52	53	59
		106	11	20	10	16	17	20	21	22	35	40	41	42	45	58
		107	14	25	1	2	9	13	14	21	25	31	46	49	51	59
		108	18	43	6	12	16	17	18	22	30	36	42	43	50	57
31-Mar	90	109	4	2	2	14	15	17	20	22	23	26	31	45	46	47
		110	6	29	1	4	23	29	35	36	43	45	47	52	53	56
		111	10	20	5	6	18	19	20	21	23	29	38	43	51	54
		112	16	56	5	6	7	11	18	23	24	27	43	49	52	56
1-Apr	91	113	0	4	4	7	12	13	19	21	26	32	33	38	42	52
		114	2	26	7	8	9	24	26	27	28	29	30	46	54	56
		115	4	26	2	5	7	10	18	22	26	31	40	42	43	55
		116	23	36	3	5	6	10	15	29	35	36	48	49	50	58
2-Apr	92	117	1	7	2	3	5	7	11	18	22	29	33	36	51	59
		118	20	37	5	8	11	17	18	21	25	28	32	35	37	47
		119	22	12	4	7	11	12	13	20	22	35	37	47	49	56
		120	23	3	3	13	21	25	26	31	32	42	52	53	54	56

Table 3 (Sheet 4 of 5)

Calendar day month 1994	Julian day	Grayling II Mission number	Mission Start Time 24 Hour EST	validation frame first on minute from Mission start	5 second images set 1	5 second images set 2	5 second images set 3	5 second images set 4	5 second images set 5	5 second images set 6	5 second images set 7	5 second images set 8	5 second images set 9	5 second images set 10	5 second images set 11	5 second images set 12
3-Apr	93	121	5	17	3	4	6	17	19	23	31	39	42	43	45	53
		122	14	5	5	7	11	12	13	14	23	29	33	41	42	48
		123	18	35	12	18	20	25	27	28	29	32	35	36	45	51
		124	19	24	4	7	8	13	20	22	24	46	50	52	58	59
4-Apr	94	125	2	48	7	11	17	18	19	21	24	33	40	48	53	56
		126	6	49	4	5	6	9	27	33	39	45	49	50	53	57
		127	9	54	9	14	15	19	20	21	22	31	32	36	52	54
		128	13	27	1	7	12	18	22	23	25	26	27	31	45	56
5-Apr	95	129	3	5	2	3	4	5	20	22	23	31	38	47	51	52
		130	13	26	7	15	16	17	26	28	29	30	39	45	46	58
		131	17	45	2	3	7	14	17	18	19	42	44	45	52	53
		132	18	20	10	12	19	20	23	27	29	33	47	56	57	58
6-Apr	96	133	9	18	1	10	11	17	18	19	28	29	32	37	53	59
		134	10	56	21	23	26	31	33	40	51	53	55	57	58	59
		135	14	23	6	7	10	14	23	24	29	35	37	48	51	53
		136	17	34	6	8	12	18	26	33	34	35	42	48	50	60
7-Apr	97	137	7	42	4	18	19	23	25	30	41	42	46	49	50	54
		138	16	18	6	12	18	21	24	31	37	45	47	52	55	56
		139	18	3	3	7	8	24	26	30	31	33	40	42	45	57
		140	20	24	3	11	13	14	15	17	24	37	38	43	45	46
8-Apr	98	141	2	15	6	7	14	15	18	20	24	37	44	50	54	56
		142	3	19	6	17	18	19	24	27	34	42	46	47	51	52
		143	16	59	3	17	18	19	20	25	29	30	31	34	52	59
		144	17	2	2	3	13	15	17	21	28	38	40	42	43	54
9-Apr	99	145	1	19	11	17	18	19	28	30	35	38	46	50	54	59
		146	4	4	2	3	4	31	38	39	40	41	42	49	51	58
		147	17	51	19	20	21	22	28	29	38	38	39	51	58	59
		148	22	34	2	3	19	20	29	34	46	40	49	52	56	58
10-Apr	100	149	4	59	6	7	16	20	22	23	26	28	29	52	53	59
		150	6	28	6	15	27	28	31	32	35	36	43	50	53	59
		151	22	4	4	9	11	14	17	21	29	46	50	54	55	56
		152	23	29	15	18	20	25	28	29	37	39	40	41	44	56
11-Apr	101	153	3	57	3	4	18	19	24	27	34	35	37	43	46	57
		154	11	19	13	17	18	19	25	26	35	38	48	55	56	57
		155	14	33	1	16	29	33	34	39	40	41	42	45	48	58
		156	20	54	26	30	31	32	34	43	44	45	46	53	54	56
12-Apr	102	157	14	35	21	26	31	33	35	38	39	45	46	48	50	52
		158	19	47	10	23	25	35	36	41	42	47	49	50	57	59
		159	20	2	2	6	16	17	19	30	36	40	43	50	54	55
		160	22	25	2	8	17	25	33	34	36	42	43	46	50	56

Table 3 (Sheet 5 of 5)

Calendar day month 1984	Julian day	Grayling II Mission number	Mission Start Time 24 Hour EST	validation frame first on minute from Mission start	5 second images set 1	5 second images set 2	5 second images set 3	5 second images set 4	5 second images set 5	5 second images set 6	5 second images set 7	5 second images set 8	5 second images set 9	5 second images set 10	5 second images set 11	5 second images set 12
13-Apr	103	161	5	25	12	13	14	17	25	29	33	34	39	43	55	59
		162	7	53	26	30	31	33	37	38	39	40	46	47	52	53
		163	13	56	11	21	24	28	30	32	43	49	53	54	55	56
		164	16	36	3	4	7	9	10	14	22	24	35	36	37	56
14-Apr	104	165	2	5	2	5	10	17	20	25	27	42	48	50	51	60
		166	5	43	4	18	25	29	33	35	36	42	43	46	48	60
		167	15	14	3	14	15	31	34	39	44	45	46	52	57	59
		168	16	33	9	16	19	25	32	33	34	39	41	42	45	48
15-Apr	105	169	2	33	3	10	15	26	32	33	34	36	37	40	49	59
		170	6	23	3	9	23	24	25	32	42	46	46	50	58	60
		171	8	17	3	10	16	17	19	22	27	28	29	44	46	53
		172	14	14	8	9	10	12	14	16	20	24	25	53	54	59

Table 4
UTM Coordinates and Relative Angles of Terrain Features

Image Number	Feature Description	UTM Coordinates, m		Relative Angles, deg	
		Easting	Northing	Azimuth	Elevation
1	Sandy bare soil (vehicle-test track)	687263	4951805	-3.43	-6.60
2	Grass (dormant)	687248	4951865	-16.63	-8.30
3	Sandy bare soil (vehicle-test track)	687298	4951844	-16.93	-6.30
4	Grass (dormant)	687250	4951922	-35.93	-9.30
5	Coniferous (pine) tree	687196	4951924	-34.83	-12.70
6	Coniferous (pine) treeline	687326	4951925	-37.53	-5.30
7	Deciduous (red oak) tree	687230	4951933	-39.73	-8.90
8	Snow or/and grass	687205	4951931	-38.83	-12.70
9	Coniferous (pine) treeline	687424	4952028	-55.23	-4.50
10	Grass (dormant)	687316	4952009	-58.03	-6.90
11	Mix of coniferous and deciduous treeline	687940	4952686	-81.13	-1.60
12	Deciduous (black oak) treeline	687356	4952441	-102.06	-2.94

Table 5
Image Characterization by Mission Using Video Data (Sheet 1 of 4)

Mission **	Date	Time	Video Data	Image 1 Test Track	Image 2 Grass	Image 3 Test Track*	Image 4 Grass	Image 5 Coniferous Tree*	Image 6 Coniferous Treeline*	Image 7 Deciduous Tree*	Image 8 Snow Cover/Grass*	Image 9 Coniferous Treeline	Image 10 Grass*	Image 11 Coniferous/Deciduous Tree*	Image 12 Deciduous Treeline*	Comments
29	3/11	1	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Mission 30
30	3/11	11	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
31	3/11	13	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
32	3/11	19	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 31,35
33	3/12	2	N	PS	PS	TC	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 31,35
34	3/12	4	N	PS	PS	TC	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 31,35
35	3/12	9	Y	PS	PS	TC	PS	NV	NV	NV	TC	NV	PS	NV	NV	
36	3/12	18	Y	PS	PS	TC	TC	PS	PS	NV	TC	PS	TC	PS	NV	Heavy snow coverage
37	3/13	0	N	SW	SW	PS	PS	NV	PS	NV	TC	NV	PS	NV	NV	Estimated using Missions 38,39
38	3/13	2	N	SW	SW	PS	PS	NV	PS	NV	TC	NV	PS	NV	NV	Estimated using Missions 38,39
39	3/13	14	Y	SW	SW	PS	PS	NV	PS	NV	TC	NV	PS	NV	NV	Melting Stage
40	3/13	18	Y	SW	SW	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
41	3/14	5	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 40,42
42	3/14	14	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Snowing During Mission
43	3/14	18	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
44	3/14	19	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 43,47
45	3/15	2	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 43,47
46	3/15	6	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 43,47
47	3/15	9	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Snowing During Mission
48	3/15	13	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
49	3/16	3	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 48,50
50	3/16	13	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
51	3/16	17	Y	NV	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
52	3/16	18	N	NV	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Missions 51,53
53	3/17	9	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
54	3/17	10	Y	PS	NV	PS	PS	NV	NV	NV	TC	NV	PS	PS	NV	
55	3/17	14	Y	NV	NV	PS	PS	NV	NV	NV	PS	NV	PS	NV	NV	
56	3/17	17	Y	NV	NV	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	

Legend:
TC=Total Snow Coverage
PS=Partial Snow Coverage
NV=No Visible Snow or Water
SW=Standing Water

* Terrain features analyzed in the IR imagery analysis
** No Data Available for missions 1-28

Table 5 (Sheet 2 of 4)

Mission	Date	Time	Video Data	Image 1 Test Track	Image 2 Grass	Image 3 Test Track*	Image 4 Grass	Image 5 Coniferous Trees*	Image 6 Coniferous Treeline*	Image 7 Deciduous Trees*	Image 8 Snow Cover/Grass*	Image 9 Coniferous Treeline	Image 10 Grass*	Image 11 Coniferous/Deciduous Trees*	Image 12 Deciduous Treeline*	Comments
57	3/18	7	Y	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	Snowing During Mission
58	3/18	18	Y	TC	TC	TC	TC	PS	PS	NV	TC	PS	TC	PS	NV	
59	3/18	19	N	TC	TC	TC	TC	PS	PS	NV	TC	PS	TC	PS	NV	Estimated using Mission 58
60	3/18	20	N	TC	TC	TC	TC	PS	PS	NV	TC	PS	TC	PS	NV	Estimated using Mission 58
61	3/19	2	N	TC	TC	TC	TC	PS	PS	NV	TC	PS	TC	PS	NV	Estimated using Mission 60
62	3/19	3	N	TC	TC	TC	TC	PS	PS	NV	TC	PS	TC	PS	NV	Estimated using Mission 60
63	3/19	16	Y	PS	TC	TC	TC	NV	NV	NV	TC	NV	TC	NV	NV	
64	3/19	17	Y	PS	TC	TC	TC	NV	NV	NV	TC	NV	TC	NV	NV	
65	3/20	1	N	PS	TC	TC	TC	NV	NV	NV	TC	NV	TC	NV	NV	Estimated using Mission 64
66	3/20	4	N	PS	TC	TC	TC	NV	NV	NV	TC	NV	TC	NV	NV	Estimated using Mission 64
67	3/20	17	Y	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	
68	3/20	22	N	PS	PS	PS	PS	NV	NV	NV	TC	NV	PS	NV	NV	Estimated using Mission 67
69	3/21	4	N													
70	3/21	6	N													
71	3/21	22	N													
72	3/21	23	N													
73	3/22	3	N													
74	3/22	11	N	SW	SW	SW	PS	NV	NV	NV	PS	NV	PS	NV	NV	Estimated using Mission 75
75	3/22	14	Y	SW	SW	SW	PS	NV	NV	NV	PS	NV	PS	NV	NV	Large areas of standing water
76	3/22	20	N	SW	SW	SW	PS	NV	NV	NV	PS	NV	PS	NV	NV	Estimated using Mission 75
77	3/23	14	Y	SW	NV	NV	PS	NV	NV	NV	PS	NV	NV	NV	NV	
78	3/23	19	N	SW	NV	NV	PS	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 77,81
79	3/23	20	N	SW	NV	NV	PS	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 77,81
80	3/23	22	N	SW	NV	NV	PS	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 77,81
81	3/24	9	Y	SW	NV	NV	PS	NV	NV	NV	PS	NV	NV	NV	NV	
82	3/24	14	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
83	3/24	21	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Mission 82
84	3/24	22	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Mission 82
85	3/25	3	N	PS	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Mission 86
86	3/25	9	Y	PS	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
87	3/25	20	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Mission 88
88	3/25	23	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Mission 88

Legend:

TC=Total Snow Coverage

PS=Partial Snow Coverage

NV=No Visible Snow or Water

SW=Standing Water

* Terrain features analyzed in the IR imagery analysis

Table 5 (Sheet 3 of 4)

Mission	Date	Time	Video Data	Image 1 Test Track	Image 2 Grass	Image 3 Test Track	Image 4 Grass	Image 5 Coniferous Tree*	Image 6 Coniferous Treeline*	Image 7 Deciduous Tree*	Image 8 Snow Cover/Grass*	Image 9 Coniferous Treeline	Image 10 Grass*	Image 11 Coniferous/Deciduous Tree*	Image 12 Deciduous Treeline*	Comments
89	3/26	7	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
90	3/26	10	Y	SW	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
91	3/26	16	N													
92	3/26	23	N													
93	3/27	3	N													
94	3/27	4	N													
95	3/27	6	N													
96	3/27	10	Y	CS	CS	CS	CS	PS	PS	PS	CS	PS	CS	PS	NV	New Snow
97	3/28	8	Y	PS	NV	PS	NV	NV	NV	NV	PS	NV	NV	NV	NV	
98	3/28	13	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
99	3/28	15	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
100	3/28	19	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
101	3/29	5	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 100,105
102	3/29	20	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 100,105
103	3/29	21	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 100,105
104	3/29	23	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 100,105
105	3/30	3	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 100,108
106	3/30	11	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
107	3/30	14	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
108	3/30	18	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
109	3/31	4	N	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	Estimated using Missions 108,110
110	3/31	6	Y	NV	NV	NV	NV	NV	NV	NV	PS	NV	NV	NV	NV	
111	3/31	10	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
112	3/31	16	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
113	4/01	0	N													
114	4/01	2	N													
115	4/01	4	N													
116	4/01	23	N													
117	4/02	1	N													
118	4/02	20	N													
119	4/02	22	N													
120	4/02	23	N													

Legend:

TC=Total Snow Coverage

PS=Partial Snow Coverage

NV=No Visible Snow or Water

SW=Standing Water

* Terrain features analyzed in the IR imagery analysis.

Table 5 (Sheet 4 of 4)

Mission	Date	Time	Video Data	Image 1 Test Track	Image 2 Grass	Image 3 Test Track*	Image 4 Grass	Image 5 Coniferous Trees*	Image 6 Coniferous Treelines*	Image 7 Deciduous Trees*	Image 8 Snow Cover/Grass*	Image 9 Coniferous Treeline	Image 10 Grass*	Image 11 Coniferous/Deciduous Trees*	Image 12 Deciduous Treeline*	Comments
121	4/03	5	N													
122	4/03	14	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
123	4/03	18	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Missions 122,126
124	4/03	19	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Missions 122,126
125	4/04	2	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Missions 122,126
126	4/04	6	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
127	4/04	9	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
128	4/04	13	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
129	4/05	3	N													
130	4/05	13	Y	PS	CS	CS	CS	PS	PS	PS	CS	PS	CS	PS	PS	Heavy Snow Coverage
131	4/05	17	Y	PS	CS	PS	CS	PS	PS	NV	CS	PS	CS	PS	NV	Snow covering tree limbs
132	4/05	18	Y	PS	CS	CS	CS	PS	PS	NV	CS	PS	CS	PS	NV	Snow covering tree limbs
133	4/06	9	Y	PS	CS	CS	CS	PS	PS	PS	CS	PS	CS	PS	NV	Complete Coverage
134	4/06	10	Y	PS	CS	CS	CS	PS	PS	PS	CS	PS	CS	PS	NV	
135	4/06	14	Y	PS	PS	PS	PS	NV	NV	NV	PS	NV	PS	PS	NV	Partial coverage
136	4/06	17	Y	NV	PS	PS	PS	NV	NV	NV	NV	NV	NV	NV	NV	
137	4/07	7	Y	NV	PS	PS	NV	NV	NV	NV	NV	NV	NV	NV	NV	Patchy Snow
138	4/07	18	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
139	4/07	19	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Mission 138
140	4/07	20	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Mission 138
163	4/13	13	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
164	4/13	18	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
165	4/14	2	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Missions 164,167
166	4/14	5	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Missions 164 167
167	4/14	15	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Sunny
168	4/14	16	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
169	4/15	2	N	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	Estimated using Missions 168,170
170	4/15	6	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
171	4/15	8	Y	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
172	4/15	14	Y	SW	NV	SW	NV	NV	NV	NV	NV	NV	NV	NV	NV	

Legend:

TC=Total Snow Coverage

PS=Partial Snow Coverage

NV=No Visible Snow or Water

SW=Standing Water

* Terrain features analyzed in the IR imagery analysis

Table 6
Terrain Features Analyzed in IR Imagery Analysis

Feature Description	Image Number
Sandy bare soil (vehicle-test track)	3
Grass	10
Snow cover	8
Deciduous (red oak) tree	7
Deciduous (black oak) treeline	12
Coniferous (pine) tree	5
Coniferous (pine) treeline	6

Table 7
Summary of Terrain Features' LWB IR Signatures by Time of Day During 43-Day Exercise (04MAR-15APR94) (Continued)

WAVEBAND	FEATURE NAME	TIME INTERVAL	MEAN FEATURE TEMPERATURE (Deg. C)			STANDARD DEVIATION OF FEATURE (Deg. C)		
			MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM
LWB	BARE SOIL (SAND)	0000-0600	-10.83	-3.44	5.93	0.26	0.59	1.17
LWB	BARE SOIL (SAND)	0601-1200	-10.63	0.14	9.61	0.25	0.70	1.37
LWB	BARE SOIL (SAND)	1201-1800	-0.15	9.65	22.09	0.28	1.15	2.78
LWB	BARE SOIL (SAND)	1801-2400	-11.04	-3.47	3.90	0.34	0.83	1.98
LWB	GRASS	0000-0600	-11.24	-5.98	6.89	0.26	0.48	0.70
LWB	GRASS	0601-1200	-10.43	0.75	10.37	0.18	0.43	0.94
LWB	GRASS	1201-1800	-1.03	6.32	12.89	0.16	0.51	1.56
LWB	GRASS	1801-2400	-11.55	-4.56	2.41	0.21	0.58	1.04
LWB	SNOW OVER GRASS	0000-0600	-26.64	-14.53	-3.44	0.29	0.59	1.01
LWB	SNOW OVER GRASS	0601-1200	-9.63	-3.41	-0.39	0.30	0.54	0.84
LWB	SNOW OVER GRASS	1201-1800	-12.68	-4.35	0.11	0.36	0.64	1.06
LWB	SNOW OVER GRASS	1801-2400	-15.23	-6.99	-1.38	0.29	0.44	0.76
LWB	DECIDUOUS (RED OAK) TREE	0000-0600	-17.67	-6.75	7.75	0.24	0.77	2.25
LWB	DECIDUOUS (RED OAK) TREE	0601-1200	-7.57	0.55	10.82	0.22	0.59	1.33
LWB	DECIDUOUS (RED OAK) TREE	1201-1800	-7.76	4.70	21.50	0.20	1.01	2.50
LWB	DECIDUOUS (RED OAK) TREE	1801-2400	-11.34	-3.56	4.31	0.27	0.83	2.04
LWB	DECIDUOUS (BLACK OAK) TREELINE	0000-0600	-15.56	-5.89	8.45	0.18	0.38	0.71
LWB	DECIDUOUS (BLACK OAK) TREELINE	0601-1200	-7.37	0.40	11.94	0.19	0.51	1.31
LWB	DECIDUOUS (BLACK OAK) TREELINE	1201-1800	-9.93	4.47	20.44	0.17	0.53	1.13
LWB	DECIDUOUS (BLACK OAK) TREELINE	1801-2400	-11.85	-3.41	5.21	0.19	0.37	0.60
LWB	CONIFEROUS (PINE) TREE	0000-0600	-17.44	-6.43	8.37	0.21	0.39	0.81
LWB	CONIFEROUS (PINE) TREE	0601-1200	-8.15	0.01	11.04	0.19	0.38	0.88
LWB	CONIFEROUS (PINE) TREE	1201-1800	-9.03	4.03	20.17	0.19	0.51	1.04
LWB	CONIFEROUS (PINE) TREE	1801-2400	-11.75	-2.60	5.13	0.23	0.38	0.79
LWB	CONIFEROUS (PINE) TREELINE	0000-0600	-16.22	-6.37	8.14	0.30	0.53	1.16
LWB	CONIFEROUS (PINE) TREELINE	0601-1200	-8.44	-0.16	11.12	0.26	0.48	1.16
LWB	CONIFEROUS (PINE) TREELINE	1201-1800	-9.53	3.84	19.70	0.25	0.71	1.60
LWB	CONIFEROUS (PINE) TREELINE	1801-2400	-11.55	-2.83	5.13	0.27	0.50	1.17

Table 7 (Concluded)

WAVEBAND	FEATURE NAME	TIME INTERVAL	MEAN FEATURE TEMPERATURE (Deg. C)			STANDARD DEVIATION OF FEATURE (Deg. C)		
			MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM
SWB	BARE SOIL (SAND)	0000-0600	-6.89	-0.68	7.89	0.42	0.61	1.03
SWB	BARE SOIL (SAND)	0601-1200	-6.26	4.67	12.58	0.36	1.38	4.08
SWB	BARE SOIL (SAND)	1201-1800	2.39	14.85	29.96	0.41	1.56	3.73
SWB	BARE SOIL (SAND)	1801-2400	-6.57	0.18	12.84	0.48	0.98	3.02
SWB	GRASS	0000-0600	-9.06	-4.12	8.08	0.39	0.65	0.89
SWB	GRASS	0601-1200	-7.22	4.18	12.33	0.35	0.65	1.07
SWB	GRASS	1201-1800	1.44	8.68	18.70	0.32	0.59	1.15
SWB	GRASS	1801-2400	-9.23	-2.36	5.43	0.47	0.83	2.43
SWB	SNOW OVER GRASS	0000-0600	-21.79	-11.13	-2.17	0.47	0.78	1.02
SWB	SNOW OVER GRASS	0601-1200	-0.83	1.58	5.10	0.46	0.94	1.82
SWB	SNOW OVER GRASS	1201-1800	-7.38	-0.96	2.86	0.53	0.84	1.71
SWB	SNOW OVER GRASS	1801-2400	-11.02	-4.44	0.70	0.45	0.59	0.77
SWB	DECIDUOUS (RED OAK) TREE	0000-0600	-13.75	-4.58	9.05	0.42	0.79	1.98
SWB	DECIDUOUS (RED OAK) TREE	0601-1200	-5.79	3.42	14.01	0.36	0.98	2.03
SWB	DECIDUOUS (RED OAK) TREE	1201-1800	-1.89	8.15	24.46	0.32	1.25	2.51
SWB	DECIDUOUS (RED OAK) TREE	1801-2400	-8.37	-1.50	9.62	0.43	0.86	2.37
SWB	DECIDUOUS (BLACK OAK) TREELINE	0000-0600	-12.94	-4.25	9.43	0.39	0.58	0.90
SWB	DECIDUOUS (BLACK OAK) TREELINE	0601-1200	-6.10	3.35	15.62	0.34	0.77	1.72
SWB	DECIDUOUS (BLACK OAK) TREELINE	1201-1800	-2.30	7.70	22.77	0.33	0.79	2.07
SWB	DECIDUOUS (BLACK OAK) TREELINE	1801-2400	-8.88	-1.78	7.19	0.43	0.58	1.07
SWB	CONIFEROUS (PINE) TREE	0000-0600	-14.37	-4.46	9.43	0.39	0.60	0.94
SWB	CONIFEROUS (PINE) TREE	0601-1200	-5.79	2.26	13.18	0.35	0.70	1.48
SWB	CONIFEROUS (PINE) TREE	1201-1800	-4.00	6.42	22.19	0.32	0.87	2.00
SWB	CONIFEROUS (PINE) TREE	1801-2400	-9.06	-1.10	8.18	0.42	0.58	1.59
SWB	CONIFEROUS (PINE) TREELINE	0000-0600	-12.16	-4.25	9.43	0.43	0.66	1.12
SWB	CONIFEROUS (PINE) TREELINE	0601-1200	-5.79	2.20	13.01	0.35	0.74	1.60
SWB	CONIFEROUS (PINE) TREELINE	1201-1800	-3.56	6.29	21.26	0.33	1.13	2.34
SWB	CONIFEROUS (PINE) TREELINE	1801-2400	-8.04	-0.79	8.08	0.47	0.67	2.26

Appendix A
Summary of Hourly Averaged Meterological Data[1] Collected During Grayling II Exercise

[1] U.S. Army Cold Regions Research and Engineering Laboratory Meterological Station E3.

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
04MAR94:00:00	-0.4	0	90	959	0.1	17	.	0.00
04MAR94:01:00	-0.3	0	87	958	0.1	88	.	0.00
04MAR94:02:00	-1.1	0	90	957	0.1	9	.	0.00
04MAR94:03:00	-1.3	0	89	957	0.3	47	.	0.00
04MAR94:04:00	-1.4	0	89	956	0.9	43	.	0.00
04MAR94:05:00	-0.7	0	82	957	1.2	45	.	0.00
04MAR94:06:00	-0.7	0	82	957	0.6	132	.	0.00
04MAR94:07:00	-0.6	11	83	956	1.2	50	.	0.00
04MAR94:08:00	0.2	64	85	958	1.0	89	.	0.00
04MAR94:09:00	1.4	167	82	959	2.4	147	.	0.00
04MAR94:10:00	2.7	237	79	960	2.5	317	.	0.00
04MAR94:11:00	3.4	240	77	960	3.3	322	.	0.00
04MAR94:12:00	2.2	302	81	960	4.0	311	.	0.00
04MAR94:13:00	1.1	231	85	960	3.6	322	.	0.00
04MAR94:14:00	0.9	175	85	961	3.5	319	.	0.00
04MAR94:15:00	0.1	127	85	962	4.0	328	.	0.00
04MAR94:16:00	-0.1	67	85	963	3.9	323	.	0.00
04MAR94:17:00	-0.4	19	87	964	3.7	331	.	0.00
04MAR94:18:00	-0.2	2	84	965	3.7	335	.	0.00
04MAR94:19:00	0.2	0	78	965	3.6	338	.	0.00
04MAR94:20:00	0.1	0	80	966	2.7	328	.	0.00
04MAR94:21:00	-0.2	0	84	966	2.5	326	.	0.00
04MAR94:22:00	-0.4	0	84	966	2.4	317	.	0.00
04MAR94:23:00	-0.6	0	84	967	2.1	317	.	0.00
05MAR94:00:00	-0.7	0	84	967	2.1	333	.	0.00
05MAR94:01:00	-0.7	0	80	967	2.7	334	.	0.00
05MAR94:02:00	-0.9	0	78	968	2.6	330	.	0.00
05MAR94:03:00	-1.2	0	81	968	1.6	315	.	0.00
05MAR94:04:00	-1.4	0	81	969	2.3	327	.	0.00
05MAR94:05:00	-1.6	0	81	969	1.7	322	.	0.00
05MAR94:06:00	-2.0	0	82	970	1.0	323	.	0.00
05MAR94:07:00	-2.0	25	82	970	1.1	325	.	0.00
05MAR94:08:00	-1.7	148	80	971	1.3	308	.	0.00
05MAR94:09:00	-0.6	265	74	972	1.3	303	.	0.00
05MAR94:10:00	0.5	425	67	972	1.3	230	.	0.00
05MAR94:11:00	1.5	565	60	972	1.6	205	.	0.00
05MAR94:12:00	2.8	642	56	972	1.5	267	.	0.00
05MAR94:13:00	4.0	633	53	971	1.3	181	.	0.00
05MAR94:14:00	5.0	563	51	971	1.3	173	.	0.00
05MAR94:15:00	5.8	406	49	971	0.7	220	.	0.00
05MAR94:16:00	6.2	258	50	971	0.8	169	.	0.00
05MAR94:17:00	4.8	72	55	971	0.5	198	.	0.00
05MAR94:18:00	2.8	4	61	972	0.8	215	.	0.00
05MAR94:19:00	0.8	0	74	972	0.1	76	.	0.00
05MAR94:20:00	1.1	0	70	972	0.9	182	.	0.00
05MAR94:21:00	1.7	0	67	972	1.6	167	.	0.00
05MAR94:22:00	1.5	0	70	972	2.1	182	.	0.00
05MAR94:23:00	1.6	0	70	972	2.5	193	.	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
06MAR94:00:00	0.5	0	86	972	2.4	189	.	0.20
06MAR94:01:00	-0.3	0	94	971	1.6	177	.	1.00
06MAR94:02:00	-0.7	0	95	971	0.9	163	.	0.80
06MAR94:03:00	-0.8	0	96	970	0.9	163	.	0.90
06MAR94:04:00	-0.9	0	96	970	0.7	155	.	1.40
06MAR94:05:00	-0.7	0	96	970	1.3	164	.	1.70
06MAR94:06:00	-0.6	0	96	970	0.4	144	.	0.80
06MAR94:07:00	-0.4	7	96	970	0.8	148	.	0.40
06MAR94:08:00	0.0	62	95	970	0.6	181	.	0.00
06MAR94:09:00	0.5	146	95	970	1.1	180	.	0.00
06MAR94:10:00	1.2	190	95	970	1.1	177	.	0.00
06MAR94:11:00	1.9	241	94	969	1.7	201	.	0.00
06MAR94:12:00	2.5	252	94	969	1.6	223	.	0.00
06MAR94:13:00	3.5	283	92	969	0.9	238	.	0.00
06MAR94:14:00	4.4	250	90	969	1.1	242	.	0.00
06MAR94:15:00	5.0	191	85	969	1.0	236	.	0.00
06MAR94:16:00	5.5	130	87	969	0.9	232	.	0.00
06MAR94:17:00	4.9	35	89	970	0.9	208	.	0.00
06MAR94:18:00	3.9	3	92	970	0.6	227	.	0.00
06MAR94:19:00	3.0	0	95	970	0.5	177	.	0.00
06MAR94:20:00	3.2	0	93	971	1.5	257	.	0.00
06MAR94:21:00	1.4	0	95	971	2.5	275	.	0.00
06MAR94:22:00	0.7	0	96	971	1.6	249	.	0.00
06MAR94:23:00	0.6	0	95	971	1.7	241	.	0.00
07MAR94:00:00	0.6	0	93	971	2.1	270	.	0.00
07MAR94:01:00	0.7	0	91	971	2.9	301	.	0.00
07MAR94:02:00	0.5	0	89	972	2.0	320	.	0.00
07MAR94:03:00	0.2	0	90	972	1.0	280	.	0.00
07MAR94:04:00	-0.1	0	90	972	1.0	271	.	0.00
07MAR94:05:00	-0.1	0	89	972	1.4	273	.	0.00
07MAR94:06:00	-0.6	0	87	972	1.6	270	.	0.00
07MAR94:07:00	-1.3	13	88	972	1.4	258	.	0.00
07MAR94:08:00	-1.4	136	87	972	1.7	250	.	0.00
07MAR94:09:00	-0.7	335	83	972	1.8	252	.	0.00
07MAR94:10:00	0.9	415	73	972	2.2	252	.	0.00
07MAR94:11:00	2.0	613	65	972	3.6	252	.	0.00
07MAR94:12:00	3.8	681	49	971	4.0	265	.	0.00
07MAR94:13:00	3.3	671	41	970	4.2	264	.	0.00
07MAR94:14:00	3.5	603	38	970	4.7	259	.	0.00
07MAR94:15:00	3.4	486	37	969	4.7	260	43	0.00
07MAR94:16:00	2.1	304	46	970	4.7	260	46	0.00
07MAR94:17:00	0.5	75	58	970	3.9	269	50	0.00
07MAR94:18:00	-0.5	6	61	970	3.9	266	49	0.00
07MAR94:19:00	-1.2	0	63	970	3.3	272	50	0.00
07MAR94:20:00	-1.8	0	63	970	2.9	268	50	0.00
07MAR94:21:00	-2.5	0	50	971	4.1	274	49	0.00
07MAR94:22:00	-3.6	0	43	971	4.3	283	50	0.00
07MAR94:23:00	-4.1	0	43	971	4.5	281	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
08MAR94:00:00	-4.7	0	45	971	3.9	282	50	0.00
08MAR94:01:00	-5.1	0	54	971	3.9	272	44	0.00
08MAR94:02:00	-5.6	3	50	972	3.7	271	50	0.00
08MAR94:03:00	-6.1	0	57	971	3.3	278	43	0.00
08MAR94:04:00	-6.9	0	65	971	3.5	273	33	0.20
08MAR94:05:00	-7.7	0	63	971	3.1	264	33	0.20
08MAR94:06:00	-8.1	0	60	971	3.0	266	50	0.00
08MAR94:07:00	-8.3	27	63	972	3.6	271	29	0.00
08MAR94:08:00	-8.0	159	65	973	4.0	283	43	0.00
08MAR94:09:00	-7.3	301	57	974	4.8	288	42	0.00
08MAR94:10:00	-7.6	255	61	975	4.6	293	32	0.00
08MAR94:11:00	-7.2	381	62	975	5.0	290	35	0.00
08MAR94:12:00	-6.9	454	56	976	4.9	291	45	0.00
08MAR94:13:00	-6.2	659	49	976	5.5	298	50	0.00
08MAR94:14:00	-6.1	610	48	976	5.4	286	50	0.00
08MAR94:15:00	-5.7	495	47	977	4.5	287	50	0.00
08MAR94:16:00	-5.8	321	48	978	4.7	285	50	0.00
08MAR94:17:00	-6.3	139	49	979	4.6	284	50	0.00
08MAR94:18:00	-7.2	10	53	980	3.4	287	50	0.00
08MAR94:19:00	-8.0	0	57	981	1.3	266	50	0.00
08MAR94:20:00	-9.3	0	64	981	0.4	145	50	0.00
08MAR94:21:00	-11.7	0	79	981	0.2	111	50	0.00
08MAR94:22:00	-12.6	0	84	981	0.1	16	50	0.00
08MAR94:23:00	-13.4	0	85	982	0.2	98	50	0.00
09MAR94:00:00	-13.5	0	84	982	0.2	37	50	0.00
09MAR94:01:00	-14.1	0	85	982	0.1	9	50	0.00
09MAR94:02:00	-14.6	0	86	982	0.2	26	50	0.00
09MAR94:03:00	-15.4	0	85	982	0.5	42	50	0.00
09MAR94:04:00	-15.6	0	85	981	0.3	39	50	0.00
09MAR94:05:00	-15.8	0	85	981	0.3	40	50	0.00
09MAR94:06:00	-15.5	0	84	981	0.5	53	50	0.00
09MAR94:07:00	-14.8	56	84	981	0.5	54	50	0.00
09MAR94:08:00	-11.3	218	82	981	0.0	3	50	0.00
09MAR94:09:00	-7.1	338	70	981	0.6	184	50	0.00
09MAR94:10:00	-3.7	529	54	980	2.2	207	50	0.00
09MAR94:11:00	-2.6	647	47	980	2.5	197	50	0.00
09MAR94:12:00	-1.6	716	46	979	2.1	214	50	0.00
09MAR94:13:00	-1.2	554	43	977	1.7	228	50	0.00
09MAR94:14:00	-0.8	523	43	977	1.5	255	50	0.00
09MAR94:15:00	-1.2	286	42	976	1.1	290	50	0.00
09MAR94:16:00	-0.8	280	39	974	0.9	247	50	0.00
09MAR94:17:00	-0.6	134	39	974	0.6	197	50	0.00
09MAR94:18:00	-1.9	10	46	974	0.6	160	50	0.00
09MAR94:19:00	-4.3	0	60	973	0.3	93	50	0.00
09MAR94:20:00	-7.2	0	80	973	0.2	14	50	0.00
09MAR94:21:00	-8.4	0	81	973	0.4	66	50	0.00
09MAR94:22:00	-9.2	0	80	973	0.5	44	50	0.00
09MAR94:23:00	-9.8	0	82	972	0.3	27	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
10MAR94:00:00	-10.6	0	55	972	0.4	22	50	0.00
10MAR94:01:00	-11.6	0	87	971	0.3	21	50	0.00
10MAR94:02:00	-12.3	0	88	971	0.0	7	50	0.00
10MAR94:03:00	-13.1	0	87	971	0.2	25	50	0.00
10MAR94:04:00	-13.9	0	87	971	0.2	39	50	0.00
10MAR94:05:00	-14.4	0	87	971	0.4	40	48	0.00
10MAR94:06:00	-15.1	0	85	971	0.6	56	50	0.00
10MAR94:07:00	-15.4	103	84	972	0.5	54	50	0.00
10MAR94:08:00	-11.3	320	55	972	0.1	68	45	0.00
10MAR94:09:00	-6.6	495	76	973	0.8	260	49	0.00
10MAR94:10:00	-3.2	502	59	973	1.0	231	50	0.00
10MAR94:11:00	-1.8	596	56	973	1.2	240	50	0.00
10MAR94:12:00	-1.2	553	53	973	1.5	273	50	0.00
10MAR94:13:00	-1.0	288	50	973	1.9	308	50	0.00
10MAR94:14:00	-0.9	280	52	973	2.6	314	50	0.00
10MAR94:15:00	-1.3	270	53	974	2.9	321	50	0.00
10MAR94:16:00	-1.6	226	56	975	2.9	315	50	0.00
10MAR94:17:00	-2.5	78	58	976	2.7	326	50	0.00
10MAR94:18:00	-3.5	16	71	977	3.1	332	44	0.00
10MAR94:19:00	-4.4	0	76	978	2.5	333	47	0.00
10MAR94:20:00	-4.5	0	73	979	2.2	337	50	0.00
10MAR94:21:00	-4.5	0	74	980	2.6	267	50	0.00
10MAR94:22:00	-5.1	0	74	981	2.7	324	50	0.00
10MAR94:23:00	-6.1	0	74	981	2.6	256	50	0.00
11MAR94:00:00	-7.2	0	76	982	2.7	260	50	0.00
11MAR94:01:00	-7.8	0	78	983	1.5	247	50	0.00
11MAR94:02:00	-9.6	0	85	983	0.0	25	50	0.00
11MAR94:03:00	-11.6	0	88	983	0.0	0	48	0.00
11MAR94:04:00	-12.0	0	89	984	0.1	61	50	0.00
11MAR94:05:00	-12.5	0	88	985	0.1	29	50	0.00
11MAR94:06:00	-13.6	0	87	986	0.2	28	50	0.00
11MAR94:07:00	-13.7	181	87	986	0.0	16	50	0.00
11MAR94:08:00	-6.8	336	85	987	0.7	247	50	0.00
11MAR94:09:00	-4.3	434	77	988	0.6	150	50	0.00
11MAR94:10:00	-2.9	503	67	987	0.6	146	50	0.00
11MAR94:11:00	-1.7	593	59	987	0.8	120	50	0.00
11MAR94:12:00	-0.9	602	52	987	1.1	232	50	0.00
11MAR94:13:00	-0.5	635	47	987	1.1	289	50	0.00
11MAR94:14:00	.	.	.	.	.	.	.	.
11MAR94:15:00	.	.	.	.	.	.	.	.
11MAR94:16:00	.	.	.	.	.	.	.	.
11MAR94:17:00	0.0	141	40	986	1.2	272	50	0.00
11MAR94:18:00	-1.2	12	30	986	0.3	221	50	0.00
11MAR94:19:00	-4.5	0	75	986	0.0	90	50	0.00
11MAR94:20:00	-6.7	0	82	987	0.2	60	50	0.00
11MAR94:21:00	-7.7	0	83	987	0.0	82	50	0.00
11MAR94:22:00	-8.6	0	86	987	0.0	86	50	0.00
11MAR94:23:00	-9.4	0	87	987	0.3	54	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
12MAR94:00:00	-9.7	0	88	986	0.2	69	50	0.00
12MAR94:01:00	-10.4	0	88	986	0.6	47	50	0.00
12MAR94:02:00	-10.1	0	88	986	0.5	52	50	0.00
12MAR94:03:00	-9.5	0	87	986	0.3	61	50	0.00
12MAR94:04:00	-7.8	0	83	986	0.4	176	50	0.00
12MAR94:05:00	-6.7	0	79	986	0.3	155	50	0.00
12MAR94:06:00	-5.6	0	75	986	1.1	202	48	0.00
12MAR94:07:00	-5.5	18	82	985	1.0	193	16	0.00
12MAR94:08:00	-4.4	61	78	985	1.2	177	50	0.00
12MAR94:09:00	-2.9	117	68	984	1.5	178	50	0.00
12MAR94:10:00	-1.1	134	63	982	2.1	192	45	0.00
12MAR94:11:00	-1.0	144	77	981	2.6	204	2	0.00
12MAR94:12:00	-1.2	204	90	980	1.2	188	4	0.50
12MAR94:13:00	0.6	255	82	979	2.2	206	10	0.00
12MAR94:14:00	1.6	139	74	978	1.3	238	13	0.00
12MAR94:15:00	0.7	35	84	978	1.4	236	3	0.40
12MAR94:16:00	-0.7	28	95	978	0.5	280	0	1.30
12MAR94:17:00	-0.7	12	94	978	0.8	271	2	1.30
12MAR94:18:00	-0.7	4	92	978	1.1	291	3	0.30
12MAR94:19:00	-1.0	0	93	978	1.9	300	2	0.30
12MAR94:20:00	-1.3	0	94	979	2.0	320	1	0.00
12MAR94:21:00	-1.6	0	92	979	1.7	326	2	0.00
12MAR94:22:00	-2.0	0	90	979	1.3	292	3	0.00
12MAR94:23:00	-2.3	0	90	978	0.6	228	3	0.00
13MAR94:00:00	-2.6	0	92	978	0.3	201	2	0.00
13MAR94:01:00	-2.6	0	92	978	0.6	271	2	0.00
13MAR94:02:00	-3.6	0	91	978	0.4	241	2	0.00
13MAR94:03:00	-8.0	0	91	977	0.0	105	2	0.00
13MAR94:04:00	-11.0	0	91	977	0.1	164	2	0.00
13MAR94:05:00	-11.8	0	92	977	0.4	37	2	0.00
13MAR94:06:00	-12.2	0	91	977	0.3	18	1	0.00
13MAR94:07:00	-11.2	27	90	977	0.1	31	1	0.00
13MAR94:08:00	-8.9	104	91	977	0.2	45	2	0.00
13MAR94:09:00	-5.0	254	91	977	0.2	160	6	0.00
13MAR94:10:00	-2.5	491	88	977	0.5	232	11	0.00
13MAR94:11:00	-0.5	593	77	976	0.6	282	36	0.00
13MAR94:12:00	0.9	676	71	976	0.7	199	50	0.00
13MAR94:13:00	1.9	696	65	975	0.8	115	50	0.00
13MAR94:14:00	2.9	639	60	975	1.1	161	50	0.00
13MAR94:15:00	2.7	349	60	974	1.4	80	50	0.00
13MAR94:16:00	2.1	102	59	974	0.2	182	50	0.00
13MAR94:17:00	0.6	45	69	974	0.0	92	50	0.00
13MAR94:18:00	-1.7	9	79	974	0.1	107	50	0.00
13MAR94:19:00	-4.0	0	87	974	0.4	35	50	0.00
13MAR94:20:00	-5.5	0	89	974	0.5	28	50	0.00
13MAR94:21:00	-6.0	0	90	974	0.1	123	48	0.00
13MAR94:22:00	-5.7	0	90	974	0.1	84	12	0.00
13MAR94:23:00	-5.5	0	92	974	0.4	155	6	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
14MAR94:00:00	-5.0	0	89	973	0.3	190	5	0.00
14MAR94:01:00	.	.	.	.	.	.	.	.
14MAR94:02:00	.	.	.	.	.	.	.	.
14MAR94:03:00	.	.	.	.	.	.	.	.
14MAR94:04:00	.	.	.	.	.	.	.	.
14MAR94:05:00	.	.	.	.	.	.	.	.
14MAR94:06:00	.	.	.	.	.	.	.	.
14MAR94:07:00	.	.	.	.	.	.	.	.
14MAR94:08:00	-1.9	63	88	966	2.7	222	50	0.00
14MAR94:09:00	-1.9	71	90	965	3.7	209	50	0.00
14MAR94:10:00	-1.3	159	88	963	4.4	204	48	0.00
14MAR94:11:00	-0.3	255	81	961	5.3	208	12	0.10
14MAR94:12:00	0.5	169	77	960	5.0	210	7	0.00
14MAR94:13:00	1.1	148	73	959	4.4	217	6	0.00
14MAR94:14:00	0.1	132	84	958	4.3	216	11	0.10
14MAR94:15:00	-0.2	123	91	957	2.9	222	9	0.40
14MAR94:16:00	0.0	82	91	956	2.8	221	9	0.20
14MAR94:17:00	0.3	54	90	956	2.4	226	8	0.00
14MAR94:18:00	0.6	7	88	956	2.0	231	10	0.00
14MAR94:19:00	0.4	0	88	956	1.7	226	36	0.30
14MAR94:20:00	-0.9	0	93	956	0.8	200	50	0.00
14MAR94:21:00	-1.8	0	94	956	0.5	211	50	0.00
14MAR94:22:00	-1.0	0	95	956	1.5	213	48	0.00
14MAR94:23:00	-0.7	0	94	956	0.4	169	50	0.00
15MAR94:00:00	-2.0	0	96	955	0.1	112	50	0.00
15MAR94:01:00	-2.4	0	96	955	0.2	131	.	0.00
15MAR94:02:00	-1.9	0	96	955	0.3	157	.	0.00
15MAR94:03:00	-1.1	0	96	955	0.3	211	.	0.00
15MAR94:04:00	-0.3	0	93	955	1.5	289	.	0.50
15MAR94:05:00	-0.2	0	94	955	1.1	301	.	0.10
15MAR94:06:00	-0.1	1	94	956	1.0	274	.	0.00
15MAR94:07:00	-0.0	23	92	956	2.3	314	.	0.00
15MAR94:08:00	-0.6	84	89	957	3.6	339	.	0.00
15MAR94:09:00	-1.8	155	82	958	4.1	332	.	0.00
15MAR94:10:00	-3.0	296	77	959	4.8	331	.	0.00
15MAR94:11:00	-3.4	495	71	960	5.2	325	.	0.00
15MAR94:12:00	-4.8	451	70	961	5.5	319	.	0.00
15MAR94:13:00	-5.2	420	67	962	5.1	315	.	0.00
15MAR94:14:00	-6.2	430	65	963	6.4	315	.	0.00
15MAR94:15:00	-6.8	266	66	963	5.6	316	.	0.00
15MAR94:16:00	-7.4	200	68	964	5.5	328	.	0.00
15MAR94:17:00	-8.6	103	72	965	5.3	336	.	0.00
15MAR94:18:00	-9.9	18	72	966	4.9	322	.	0.00
15MAR94:19:00	-9.8	0	78	967	4.0	326	.	0.00
15MAR94:20:00	-9.4	0	79	967	4.6	328	.	0.00
15MAR94:21:00	-9.3	0	70	968	5.0	338	.	0.00
15MAR94:22:00	-9.5	0	62	968	4.5	336	.	0.00
15MAR94:23:00	-10.0	0	62	969	4.4	339	.	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
16MAR94:00:00	-10.4	0	63	969	4.4	342	50	0.00
16MAR94:01:00	-11.0	0	64	969	4.3	345	50	0.00
16MAR94:02:00	-11.9	0	61	969	4.1	338	50	0.00
16MAR94:03:00	-12.8	0	61	970	3.7	338	50	0.00
16MAR94:04:00	-13.6	0	63	970	3.6	339	50	0.00
16MAR94:05:00	-14.1	0	63	971	3.8	341	50	0.00
16MAR94:06:00	-14.7	1	63	972	3.8	341	50	0.00
16MAR94:07:00	-14.8	74	63	972	4.4	338	50	0.00
16MAR94:08:00	-13.9	264	60	973	4.7	335	50	0.00
16MAR94:09:00	-12.9	456	55	973	5.0	330	50	0.00
16MAR94:10:00	-11.9	606	53	973	4.9	330	50	0.00
16MAR94:11:00	-11.2	715	50	973	5.3	335	50	0.00
16MAR94:12:00	-10.6	764	48	973	5.6	333	50	0.00
16MAR94:13:00	-9.8	750	43	973	5.5	332	50	0.00
16MAR94:14:00	-9.2	674	44	973	5.6	324	50	0.00
16MAR94:15:00	-8.8	547	42	973	5.7	335	50	0.00
16MAR94:16:00	-8.5	373	40	973	5.2	337	50	0.00
16MAR94:17:00	-8.9	180	42	973	4.4	322	50	0.00
16MAR94:18:00	-10.2	17	48	974	3.6	328	50	0.00
16MAR94:19:00	-11.1	0	52	974	3.3	329	50	0.00
16MAR94:20:00	-12.0	0	56	975	3.0	339	50	0.00
16MAR94:21:00	-12.9	0	61	975	2.4	332	50	0.00
16MAR94:22:00	-13.7	0	65	975	1.9	342	50	0.00
16MAR94:23:00	-14.4	0	70	975	1.1	320	50	0.00
17MAR94:00:00	-14.6	0	72	975	1.3	334	50	0.00
17MAR94:01:00	-14.6	0	72	975	0.9	321	50	0.00
17MAR94:02:00	-15.2	0	77	975	0.4	313	50	0.00
17MAR94:03:00	-15.4	0	79	975	0.8	300	50	0.00
17MAR94:04:00	-16.4	0	82	974	0.3	163	50	0.00
17MAR94:05:00	-17.7	0	84	974	0.0	100	50	0.00
17MAR94:06:00	-18.1	2	84	974	0.1	118	50	0.00
17MAR94:07:00	-16.5	96	83	974	0.8	218	50	0.00
17MAR94:08:00	-13.3	290	75	974	1.3	284	50	0.00
17MAR94:09:00	-9.8	486	51	973	2.1	318	50	0.00
17MAR94:10:00	-7.5	591	40	973	2.1	294	50	0.00
17MAR94:11:00	-6.1	672	39	972	1.7	248	50	0.00
17MAR94:12:00	-4.6	725	38	971	1.3	254	50	0.00
17MAR94:13:00	-3.3	670	36	970	1.3	210	50	0.00
17MAR94:14:00	-2.5	532	36	968	1.1	236	50	0.00
17MAR94:15:00	-2.2	307	36	967	0.7	166	50	0.00
17MAR94:16:00	-2.5	128	36	966	0.8	216	50	0.00
17MAR94:17:00	-2.6	44	41	966	1.6	213	50	0.00
17MAR94:18:00	-2.9	5	44	965	1.4	201	50	0.00
17MAR94:19:00	-3.1	0	46	964	0.8	182	50	0.00
17MAR94:20:00	-3.7	0	59	964	2.1	189	18	0.00
17MAR94:21:00	-5.5	0	86	964	0.9	169	1	0.10
17MAR94:22:00	-5.9	0	91	964	1.0	166	1	0.10
17MAR94:23:00	-6.1	0	90	963	1.0	159	13	0.20

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
18MAR94:00:00	-6.2	0	89	961	1.0	134	43	0.00
18MAR94:01:00	-6.3	0	88	960	1.2	142	4	0.30
18MAR94:02:00	-6.4	0	90	958	0.8	131	2	0.20
18MAR94:03:00	-6.4	0	91	957	0.4	118	1	0.00
18MAR94:04:00	-6.5	0	92	956	1.3	77	0	0.00
18MAR94:05:00	-6.6	0	92	955	1.5	85	2	0.80
18MAR94:06:00	-6.7	0	91	955	1.6	70	1	0.40
18MAR94:07:00	-6.7	4	92	955	1.8	63	0	0.60
18MAR94:08:00	-6.4	13	92	955	1.9	46	0	1.00
18MAR94:09:00	-6.0	23	92	955	2.1	40	1	1.10
18MAR94:10:00	-5.4	194	91	955	2.9	40	1	0.20
18MAR94:11:00	-4.8	415	90	956	3.2	41	1	0.50
18MAR94:12:00	-4.3	483	88	956	3.4	45	10	0.60
18MAR94:13:00	-4.0	401	85	957	3.3	29	8	0.50
18MAR94:14:00	-3.3	339	81	958	3.5	70	7	0.50
18MAR94:15:00	-2.8	267	75	958	3.8	201	42	0.20
18MAR94:16:00	-2.9	192	70	960	3.7	315	28	0.00
18MAR94:17:00	-3.7	104	76	961	3.6	331	31	0.00
18MAR94:18:00	-4.6	14	74	962	3.5	337	47	0.00
18MAR94:19:00	-5.2	0	76	963	2.3	314	50	0.00
18MAR94:20:00	-6.1	0	83	964	1.3	300	45	0.10
18MAR94:21:00	-6.7	0	75	965	2.0	307	50	0.00
18MAR94:22:00	-7.4	0	61	966	3.0	311	50	0.00
18MAR94:23:00	-8.2	0	54	966	1.9	297	50	0.00
19MAR94:00:00	-8.9	0	59	966	1.6	269	50	0.00
19MAR94:01:00	-9.6	0	65	967	1.4	299	50	0.00
19MAR94:02:00	-12.9	0	75	967	0.3	208	50	0.00
19MAR94:03:00	-17.6	0	82	967	0.0	90	50	0.00
19MAR94:04:00	-20.9	0	84	967	0.1	74	50	0.00
19MAR94:05:00	-22.0	0	82	968	0.1	107	50	0.00
19MAR94:06:00	-22.8	3	81	968	0.0	90	50	0.00
19MAR94:07:00	-18.7	103	85	968	0.4	173	49	0.00
19MAR94:08:00	-9.2	334	83	968	1.2	271	50	0.00
19MAR94:09:00	-5.2	507	69	969	2.2	292	50	0.00
19MAR94:10:00	-2.7	609	57	969	3.4	293	50	0.00
19MAR94:11:00	-1.0	713	52	968	3.5	294	50	0.00
19MAR94:12:00	0.1	763	45	968	4.3	295	50	0.00
19MAR94:13:00	0.9	751	40	968	4.2	311	50	0.00
19MAR94:14:00	1.2	676	37	968	4.4	305	50	0.00
19MAR94:15:00	1.3	550	36	968	4.7	322	50	0.00
19MAR94:16:00	1.1	381	38	968	4.1	316	50	0.00
19MAR94:17:00	0.5	169	40	968	3.5	307	50	0.00
19MAR94:18:00	-1.1	18	46	969	2.4	296	50	0.00
19MAR94:19:00	-2.8	0	53	969	1.5	273	50	0.00
19MAR94:20:00	-4.7	0	57	969	0.5	253	50	0.00
19MAR94:21:00	-11.1	0	77	969	0.4	88	50	0.00
19MAR94:22:00	-13.8	0	84	970	0.0	106	50	0.00
19MAR94:23:00	-15.5	0	85	970	0.2	127	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
20MAR94:00:00	-16.4	0	84	970	0.8	39	50	0.00
20MAR94:01:00	-17.0	0	84	971	0.6	78	50	0.00
20MAR94:02:00	-17.7	0	84	971	0.2	83	50	0.00
20MAR94:03:00	-18.2	0	84	971	0.2	116	50	0.00
20MAR94:04:00	-18.3	0	84	972	0.5	50	50	0.00
20MAR94:05:00	-18.6	0	83	972	0.6	48	50	0.00
20MAR94:06:00	-18.8	3	82	972	0.6	51	50	0.00
20MAR94:07:00	-16.9	128	81	973	0.7	52	50	0.00
20MAR94:08:00	-11.3	329	75	972	0.4	55	50	0.00
20MAR94:09:00	-2.5	497	45	972	1.2	130	50	0.00
20MAR94:10:00	1.5	607	32	972	1.6	86	50	0.00
20MAR94:11:00	4.3	697	29	972	1.4	180	50	0.00
20MAR94:12:00	6.2	746	26	971	1.6	136	50	0.00
20MAR94:13:00	7.4	735	25	970	2.1	162	50	0.00
20MAR94:14:00	8.1	662	24	970	1.7	181	50	0.00
20MAR94:15:00	8.5	475	26	969	1.5	145	50	0.00
20MAR94:16:00	8.0	314	28	968	2.0	139	50	0.00
20MAR94:17:00	6.4	134	35	968	2.2	168	50	0.00
20MAR94:18:00	4.6	25	40	969	1.6	154	50	0.00
20MAR94:19:00	2.3	0	49	968	0.9	103	50	0.00
20MAR94:20:00	1.2	0	51	968	1.0	132	50	0.00
20MAR94:21:00	0.4	0	54	967	1.3	131	50	0.00
20MAR94:22:00	-0.2	0	63	967	1.6	143	50	0.00
20MAR94:23:00	-0.4	0	66	966	1.3	149	50	0.00
21MAR94:00:00	-0.1	0	66	965	1.5	149	50	0.00
21MAR94:01:00	-0.4	0	67	964	1.2	129	50	0.00
21MAR94:02:00	-0.4	0	69	963	1.2	108	50	0.00
21MAR94:03:00	-0.2	0	70	962	1.4	130	50	0.00
21MAR94:04:00	-0.6	0	81	960	1.4	101	20	0.00
21MAR94:05:00	-1.3	0	93	959	1.3	92	2	1.50
21MAR94:06:00	-1.2	0	94	959	1.4	74	1	1.90
21MAR94:07:00	-1.1	4	94	958	1.6	67	1	6.10
21MAR94:08:00	-1.0	22	94	957	1.6	73	1	2.90
21MAR94:09:00	-0.9	44	95	956	0.9	185	3	0.60
21MAR94:10:00	-0.8	59	95	956	0.6	125	3	0.50
21MAR94:11:00	-0.6	140	95	956	1.0	279	2	0.80
21MAR94:12:00	0.2	244	92	956	3.3	298	23	0.40
21MAR94:13:00	-0.3	174	90	956	4.7	315	50	0.00
21MAR94:14:00	-0.7	124	88	957	4.6	313	50	0.00
21MAR94:15:00	-1.1	65	91	958	5.0	307	31	0.00
21MAR94:16:00	-0.9	44	93	959	4.4	313	11	0.00
21MAR94:17:00	-0.2	52	89	960	4.1	315	34	0.00
21MAR94:18:00	0.0	26	83	961	3.3	314	50	0.00
21MAR94:19:00	-0.8	0	86	962	1.1	295	50	0.00
21MAR94:20:00	-1.9	0	90	963	0.6	247	44	0.00
21MAR94:21:00	-3.1	0	94	964	0.7	212	11	0.00
21MAR94:22:00	-3.4	0	95	964	0.6	201	22	0.00
21MAR94:23:00	-3.4	0	92	965	0.3	148	40	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
22MAR94:00:00	-5.1	0	93	965	0.2	147	13	0.00
22MAR94:01:00	-6.2	0	92	965	0.0	90	19	0.00
22MAR94:02:00	-6.9	0	92	965	0.0	90	27	0.00
22MAR94:03:00	-7.2	0	92	965	0.0	95	45	0.00
22MAR94:04:00	-7.3	0	92	965	0.0	85	49	0.00
22MAR94:05:00	-7.4	0	91	965	0.0	84	50	0.00
22MAR94:06:00	-7.3	4	91	965	0.2	92	50	0.00
22MAR94:07:00	-5.6	124	92	966	0.2	116	47	0.00
22MAR94:08:00	-0.3	232	85	965	0.8	227	49	0.00
22MAR94:09:00	6.2	466	58	965	2.7	232	50	0.00
22MAR94:10:00	9.3	599	39	964	4.0	240	50	0.00
22MAR94:11:00	10.0	710	36	964	4.8	238	50	0.00
22MAR94:12:00	10.9	763	35	963	4.6	241	50	0.00
22MAR94:13:00	11.6	734	34	962	4.7	226	50	0.00
22MAR94:14:00	11.9	663	35	961	5.1	226	50	0.00
22MAR94:15:00	12.3	518	35	961	3.7	236	50	0.00
22MAR94:16:00	12.1	311	36	961	3.5	224	50	0.00
22MAR94:17:00	10.9	103	41	961	3.2	216	50	0.00
22MAR94:18:00	9.5	30	46	961	2.4	220	50	0.00
22MAR94:19:00	7.6	0	50	962	1.3	223	50	0.00
22MAR94:20:00	6.6	0	55	962	1.4	218	50	0.00
22MAR94:21:00	5.5	0	61	962	1.1	213	50	0.00
22MAR94:22:00	3.4	0	70	963	1.2	109	50	0.00
22MAR94:23:00	-0.5	0	86	963	0.2	75	39	0.00
23MAR94:00:00	-1.6	0	90	964	0.5	69	34	0.00
23MAR94:01:00	-1.3	0	90	964	0.4	59	50	0.00
23MAR94:02:00	-1.4	0	88	964	1.1	49	50	0.00
23MAR94:03:00	-2.1	0	89	964	0.2	127	47	0.00
23MAR94:04:00	-3.4	0	93	965	0.2	89	13	0.00
23MAR94:05:00	-3.8	0	92	965	0.9	46	12	0.00
23MAR94:06:00	-3.9	4	92	965	1.0	50	12	0.00
23MAR94:07:00	-2.6	75	90	966	0.5	74	18	0.00
23MAR94:08:00	0.5	216	81	966	1.2	47	49	0.00
23MAR94:09:00	3.6	346	65	967	3.3	41	50	0.00
23MAR94:10:00	5.1	506	58	967	3.3	43	50	0.00
23MAR94:11:00	6.6	565	49	966	2.8	54	50	0.00
23MAR94:12:00	7.5	487	46	966	2.4	68	50	0.00
23MAR94:13:00	8.4	545	43	966	2.7	82	50	0.00
23MAR94:14:00	8.8	423	42	965	2.6	82	50	0.00
23MAR94:15:00	8.8	364	43	965	2.6	74	50	0.00
23MAR94:16:00	9.2	335	41	964	3.2	73	50	0.00
23MAR94:17:00	7.6	154	45	964	3.1	67	50	0.00
23MAR94:18:00	5.3	12	49	965	3.0	69	50	0.00
23MAR94:19:00	3.2	0	59	965	2.4	69	26	0.10
23MAR94:20:00	1.6	0	69	964	2.0	74	46	0.10
23MAR94:21:00	1.0	0	70	965	1.8	83	48	0.10
23MAR94:22:00	0.9	0	71	964	2.2	70	49	0.00
23MAR94:23:00	1.2	0	71	963	2.8	89	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
24MAR94:00:00	0.8	0	75	961	2.8	92	50	0.00
24MAR94:01:00	1.5	0	75	960	2.9	91	50	0.00
24MAR94:02:00	1.9	0	76	959	3.1	75	37	0.70
24MAR94:03:00	1.3	0	84	958	2.4	69	30	0.60
24MAR94:04:00	0.6	0	86	957	2.3	63	50	0.00
24MAR94:05:00	0.1	0	87	957	2.2	71	50	0.00
24MAR94:06:00	-0.2	1	90	957	1.2	101	35	0.20
24MAR94:07:00	-0.2	10	92	957	0.5	100	13	0.10
24MAR94:08:00	0.0	30	93	957	0.5	177	5	0.00
24MAR94:09:00	1.0	45	89	958	3.2	248	12	0.00
24MAR94:10:00	0.1	60	87	959	4.2	249	33	0.00
24MAR94:11:00	-0.0	96	85	959	4.4	253	50	0.00
24MAR94:12:00	0.3	212	83	960	4.5	267	16	0.00
24MAR94:13:00	-0.0	160	83	961	5.2	276	28	0.00
24MAR94:14:00	-0.3	150	80	962	5.1	270	40	0.00
24MAR94:15:00	-1.4	111	83	963	5.4	283	12	0.00
24MAR94:16:00	-2.6	57	81	965	5.7	284	29	0.00
24MAR94:17:00	-3.4	36	78	967	5.9	298	50	0.00
24MAR94:18:00	-3.9	7	75	968	5.3	298	50	0.00
24MAR94:19:00	-4.4	0	74	970	5.7	299	30	0.00
24MAR94:20:00	-4.8	0	72	971	5.4	302	49	0.00
24MAR94:21:00	-5.1	0	72	972	4.2	307	50	0.00
24MAR94:22:00	-5.3	0	74	973	4.2	304	33	0.00
24MAR94:23:00	-5.6	0	78	973	3.7	309	19	0.00
25MAR94:00:00	-5.7	0	76	973	4.3	324	33	0.00
25MAR94:01:00	-6.1	0	77	973	3.9	335	43	0.00
25MAR94:02:00	-6.4	0	75	974	4.0	331	50	0.00
25MAR94:03:00	-6.5	0	74	974	2.6	327	50	0.00
25MAR94:04:00	-6.3	0	77	975	2.5	318	50	0.00
25MAR94:05:00	-6.2	0	78	975	3.4	321	38	0.00
25MAR94:06:00	-6.6	4	78	976	3.6	332	34	0.00
25MAR94:07:00	-6.6	59	76	977	3.4	331	50	0.00
25MAR94:08:00	-5.9	268	71	977	3.3	325	50	0.00
25MAR94:09:00	-4.8	482	62	977	3.9	328	50	0.00
25MAR94:10:00	-3.3	631	57	977	3.4	302	50	0.00
25MAR94:11:00	-1.8	740	53	978	3.3	317	50	0.00
25MAR94:12:00	-0.7	791	48	977	3.6	311	50	0.00
25MAR94:13:00	0.1	780	46	977	4.0	331	50	0.00
25MAR94:14:00	0.8	704	45	977	3.8	324	50	0.00
25MAR94:15:00	1.5	581	41	977	3.1	302	50	0.00
25MAR94:16:00	1.6	414	37	977	3.0	182	50	0.00
25MAR94:17:00	1.0	219	39	977	2.5	112	50	0.00
25MAR94:18:00	-0.4	39	47	977	1.3	159	50	0.00
25MAR94:19:00	-2.7	0	57	978	0.9	304	50	0.00
25MAR94:20:00	-3.5	0	59	978	1.1	256	50	0.00
25MAR94:21:00	-5.3	0	72	979	0.1	138	50	0.00
25MAR94:22:00	-7.6	0	83	978	0.5	60	50	0.00
25MAR94:23:00	-8.6	0	85	978	0.4	75	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
26MAR94:00:00	-9.1	0	87	978	0.3	56	50	0.00
26MAR94:01:00	-9.5	0	88	978	0.4	68	50	0.00
26MAR94:02:00	-9.3	0	88	978	0.4	55	50	0.00
26MAR94:03:00	-9.3	0	88	977	0.5	55	50	0.00
26MAR94:04:00	-8.9	0	88	977	0.1	80	50	0.00
26MAR94:05:00	-8.7	0	88	977	0.5	50	50	0.00
26MAR94:06:00	-7.0	5	83	977	0.3	125	50	0.00
26MAR94:07:00	-5.8	50	77	977	0.7	149	50	0.00
26MAR94:08:00	-3.4	298	68	976	1.3	156	50	0.00
26MAR94:09:00	-0.3	389	52	976	2.4	165	50	0.00
26MAR94:10:00	2.0	597	47	976	3.0	185	50	0.00
26MAR94:11:00	3.3	509	49	975	3.4	199	50	0.00
26MAR94:12:00	4.1	620	47	973	3.7	194	50	0.00
26MAR94:13:00	4.5	544	45	972	3.5	184	50	0.00
26MAR94:14:00	4.3	406	47	972	3.3	179	50	0.00
26MAR94:15:00	4.4	250	46	971	2.5	172	50	0.00
26MAR94:16:00	4.2	160	46	971	2.6	173	50	0.00
26MAR94:17:00	3.6	59	50	970	2.0	147	50	0.00
26MAR94:18:00	2.5	20	56	970	1.6	131	50	0.00
26MAR94:19:00	1.9	0	58	970	1.3	138	50	0.00
26MAR94:20:00	1.2	0	64	970	1.7	132	50	0.00
26MAR94:21:00	0.4	0	71	969	1.6	130	22	0.10
26MAR94:22:00	-0.9	0	84	969	1.6	146	2	0.00
26MAR94:23:00	-1.8	0	93	968	0.9	132	1	0.00
27MAR94:00:00	-1.9	0	95	967	1.5	109	1	0.40
27MAR94:01:00	-2.4	0	94	966	1.2	98	2	0.20
27MAR94:02:00	-2.6	0	94	965	1.4	88	2	0.10
27MAR94:03:00	-2.8	0	94	966	1.4	86	1	0.10
27MAR94:04:00	-3.0	0	94	964	1.4	70	1	0.30
27MAR94:05:00	-3.2	0	94	963	1.1	65	4	0.40
27MAR94:06:00	-3.0	2	94	963	1.3	70	7	0.10
27MAR94:07:00	-2.8	25	93	963	1.3	70	6	0.20
27MAR94:08:00	-2.1	114	92	962	1.4	90	38	0.20
27MAR94:09:00	-1.5	152	90	962	1.2	103	19	0.10
27MAR94:10:00	-0.9	185	88	963	0.9	114	10	0.00
27MAR94:11:00	-0.4	215	85	963	0.6	110	18	0.00
27MAR94:12:00	0.1	192	83	963	0.3	200	15	0.00
27MAR94:13:00	0.1	186	85	963	0.8	233	27	0.00
27MAR94:14:00	0.8	229	83	963	0.8	241	48	0.00
27MAR94:15:00	1.4	186	82	963	1.4	277	40	0.00
27MAR94:16:00	1.5	107	79	963	1.8	293	28	0.00
27MAR94:17:00	1.3	38	79	964	1.3	284	18	0.00
27MAR94:18:00	0.9	9	81	965	0.7	308	13	0.00
27MAR94:19:00	0.3	0	86	965	1.5	311	8	0.00
27MAR94:20:00	-0.2	0	91	966	1.0	277	5	0.00
27MAR94:21:00	-0.4	0	92	966	0.5	231	5	0.00
27MAR94:22:00	-0.9	0	94	966	0.2	153	3	0.00
27MAR94:23:00	-1.0	0	94	966	0.6	263	4	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
28MAR94:00:00	-1.1	0	93	966	0.6	234	6	0.00
28MAR94:01:00	-2.3	0	94	966	0.4	177	4	0.00
28MAR94:02:00	-2.3	0	95	966	0.2	165	5	0.00
28MAR94:03:00	-2.9	0	95	966	0.1	112	3	0.00
28MAR94:04:00	-3.3	0	95	966	0.3	174	4	0.00
28MAR94:05:00	-4.5	0	94	966	0.0	90	4	0.00
28MAR94:06:00	-3.8	5	95	966	0.1	156	3	0.00
28MAR94:07:00	-3.4	47	95	967	0.8	171	2	0.00
28MAR94:08:00	-2.9	88	96	967	1.5	249	0	0.00
28MAR94:09:00	-1.4	212	94	967	1.5	263	4	0.00
28MAR94:10:00	0.7	396	83	968	1.5	273	24	0.00
28MAR94:11:00	2.1	300	71	968	1.6	253	50	0.00
28MAR94:12:00	2.2	281	68	968	2.6	280	46	0.00
28MAR94:13:00	2.6	348	67	968	2.4	281	48	0.00
28MAR94:14:00	2.7	345	66	969	2.9	293	50	0.00
28MAR94:15:00	2.5	268	65	969	2.7	289	50	0.00
28MAR94:16:00	2.0	124	67	969	2.1	301	50	0.00
28MAR94:17:00	2.4	173	63	969	1.9	317	50	0.00
28MAR94:18:00	1.4	42	66	970	1.4	274	50	0.00
28MAR94:19:00	-1.4	0	78	970	0.5	171	50	0.00
28MAR94:20:00	-2.9	0	85	971	0.4	224	50	0.00
28MAR94:21:00	-3.5	0	89	971	0.1	81	21	0.00
28MAR94:22:00	-2.9	0	90	971	0.2	144	18	0.00
28MAR94:23:00	-2.1	0	88	972	0.5	157	13	0.10
29MAR94:00:00	-2.2	0	89	971	0.3	201	10	0.00
29MAR94:01:00	-2.3	0	90	972	0.3	227	9	0.00
29MAR94:02:00	-2.4	0	90	972	0.3	220	9	0.00
29MAR94:03:00	-2.5	0	92	972	0.0	90	5	0.00
29MAR94:04:00	-2.9	0	93	973	0.1	109	6	0.00
29MAR94:05:00	-3.2	0	93	973	0.0	92	6	0.00
29MAR94:06:00	-3.2	7	94	974	0.2	166	7	0.00
29MAR94:07:00	-1.9	61	91	974	0.9	80	8	0.00
29MAR94:08:00	-1.4	70	89	975	0.5	49	3	0.00
29MAR94:09:00	-1.2	117	89	975	0.9	135	2	0.00
29MAR94:10:00	-0.7	362	88	975	1.4	70	19	0.40
29MAR94:11:00	-1.1	123	86	975	1.7	89	8	0.30
29MAR94:12:00	-1.0	232	88	975	2.0	41	11	0.30
29MAR94:13:00	-0.7	296	89	976	2.9	35	7	0.30
29MAR94:14:00	-0.6	315	90	976	2.7	49	2	0.00
29MAR94:15:00	-0.3	161	86	976	2.6	39	7	0.00
29MAR94:16:00	-0.5	79	81	977	2.2	65	28	0.30
29MAR94:17:00	-0.5	60	77	978	2.8	30	32	0.00
29MAR94:18:00	-1.2	23	80	978	2.8	42	11	0.00
29MAR94:19:00	-2.1	0	84	979	1.9	24	16	0.00
29MAR94:20:00	-2.7	0	87	980	1.0	16	13	0.00
29MAR94:21:00	-3.3	0	89	981	0.9	150	14	0.00
29MAR94:22:00	-4.2	0	89	981	0.4	229	15	0.00
29MAR94:23:00	-5.7	0	92	981	0.1	81	10	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
30MAR94:00:00	-5.7	0	93	982	0.2	171	10	0.00
30MAR94:01:00	-3.7	0	88	982	1.8	318	44	0.00
30MAR94:02:00	-4.4	0	85	982	1.9	324	50	0.00
30MAR94:03:00	-5.7	0	80	982	1.5	318	50	0.00
30MAR94:04:00	-7.1	0	80	983	0.7	304	50	0.00
30MAR94:05:00	-7.9	0	80	983	1.0	317	50	0.00
30MAR94:06:00	-8.4	15	82	983	1.0	285	50	0.00
30MAR94:07:00	-7.2	209	77	984	1.6	295	50	0.00
30MAR94:08:00	-5.4	446	69	984	2.0	296	50	0.00
30MAR94:09:00	-3.5	612	59	984	2.1	283	50	0.00
30MAR94:10:00	-1.8	686	56	984	2.2	266	50	0.00
30MAR94:11:00	-0.7	770	55	984	2.9	273	50	0.00
30MAR94:12:00	0.4	815	54	983	2.9	272	50	0.00
30MAR94:13:00	1.3	769	48	983	3.8	281	50	0.00
30MAR94:14:00	1.6	621	46	982	3.7	276	50	0.00
30MAR94:15:00	2.0	536	45	981	3.6	271	50	0.00
30MAR94:16:00	2.0	422	45	981	4.0	262	50	0.00
30MAR94:17:00	1.0	195	50	981	3.5	267	50	0.00
30MAR94:18:00	-0.2	43	54	981	2.7	262	50	0.00
30MAR94:19:00	-1.5	0	60	981	1.9	259	50	0.00
30MAR94:20:00	-2.6	0	63	981	1.4	252	50	0.00
30MAR94:21:00	-3.5	0	66	980	1.3	229	50	0.00
30MAR94:22:00	-4.0	0	68	980	1.0	222	50	0.00
30MAR94:23:00	-4.3	0	70	980	1.4	222	50	0.00
31MAR94:00:00	-4.1	0	72	979	1.5	228	50	0.00
31MAR94:01:00	-5.2	0	77	979	0.9	212	50	0.00
31MAR94:02:00	-6.8	0	85	978	0.4	180	48	0.00
31MAR94:03:00	-7.9	0	89	977	0.3	176	29	0.00
31MAR94:04:00	-8.5	0	90	977	0.0	104	19	0.00
31MAR94:05:00	-8.3	0	90	977	0.1	119	15	0.00
31MAR94:06:00	-7.9	17	90	976	0.3	209	15	0.00
31MAR94:07:00	-4.7	178	[illegible]	976	0.5	181	34	0.00
31MAR94:08:00	-0.9	343	[illegible]	976	2.7	254	50	0.00
31MAR94:09:00	1.0	457	60	975	3.3	256	50	0.00
31MAR94:10:00	3.4	559	50	975	3.7	259	50	0.00
31MAR94:11:00	4.4	638	44	974	4.0	253	50	0.00
31MAR94:12:00	5.7	778	39	974	4.4	255	46	0.00
31MAR94:13:00	6.8	753	36	973	4.6	257	46	0.00
31MAR94:14:00	7.3	661	34	972	4.6	253	45	0.00
31MAR94:15:00	7.8	560	33	972	4.2	256	50	0.00
31MAR94:16:00	7.9	414	34	971	3.9	250	50	0.00
31MAR94:17:00	7.2	174	34	971	3.1	248	50	0.00
31MAR94:18:00	6.1	58	36	972	2.5	247	50	0.00
31MAR94:19:00	4.3	1	41	972	1.5	233	50	0.00
31MAR94:20:00	2.2	0	49	972	1.1	213	50	0.00
31MAR94:21:00	1.0	0	54	972	1.0	209	50	0.00
31MAR94:22:00	0.3	0	57	971	1.1	211	50	0.00
31MAR94:23:00	-0.5	0	61	971	0.9	213	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
01APR94:00:00	-2.2	0	70	971	0.7	179	48	0.00
01APR94:01:00	-4.6	0	84	971	0.2	93	19	0.00
01APR94:02:00	-5.5	0	90	971	0.0	89	12	0.00
01APR94:03:00	-6.1	0	90	971	0.3	52	11	0.00
01APR94:04:00	-6.4	0	88	971	0.6	46	19	0.00
01APR94:05:00	-7.0	0	89	971	0.2	80	13	0.00
01APR94:06:00	-7.3	18	90	972	0.4	45	11	0.00
01APR94:07:00	-4.1	238	83	972	0.1	85	19	0.00
01APR94:08:00	1.3	415	70	973	0.5	71	26	0.00
01APR94:09:00	3.8	411	49	973	1.2	39	50	0.00
01APR94:10:00	6.2	622	40	973	0.9	222	50	0.00
01APR94:11:00	7.6	699	37	973	1.3	178	50	0.00
01APR94:12:00	8.8	786	35	973	1.3	211	50	0.00
01APR94:13:00	10.0	714	34	973	2.0	192	50	0.00
01APR94:14:00	9.8	447	34	972	1.6	179	50	0.00
01APR94:15:00	9.5	253	34	972	1.6	144	49	0.00
01APR94:16:00	9.2	125	34	972	1.2	117	50	0.00
01APR94:17:00	8.4	51	40	972	1.9	98	50	0.00
01APR94:18:00	6.6	28	49	973	2.5	53	50	0.00
01APR94:19:00	4.6	0	39	973	2.0	98	50	0.00
01APR94:20:00	2.6	0	41	974	1.5	110	50	0.00
01APR94:21:00	1.2	0	45	974	0.5	132	50	0.00
01APR94:22:00	0.1	0	47	974	0.8	133	50	0.00
01APR94:23:00	-0.8	0	47	973	1.0	146	50	0.00
02APR94:00:00	-0.9	0	49	973	1.1	127	50	0.00
02APR94:01:00	-0.9	0	53	972	1.0	113	50	0.00
02APR94:02:00	-1.1	0	59	971	0.6	106	50	0.00
02APR94:03:00	-0.5	0	61	970	0.7	126	50	0.00
02APR94:04:00	-0.6	0	63	969	0.4	112	50	0.00
02APR94:05:00	-0.7	0	67	968	0.5	102	50	0.00
02APR94:06:00	-1.1	13	73	968	0.4	106	50	0.00
02APR94:07:00	-0.6	90	74	967	1.1	159	50	0.00
02APR94:08:00	2.2	231	66	966	1.8	182	50	0.00
02APR94:09:00	5.8	263	57	965	2.4	198	45	0.00
02APR94:10:00	9.3	435	50	964	3.5	202	38	0.00
02APR94:11:00	13.1	563	41	963	4.2	211	46	0.00
02APR94:12:00	16.0	620	34	962	5.1	232	31	0.00
02APR94:13:00	13.5	452	44	962	4.4	265	28	0.00
02APR94:14:00	10.9	564	49	963	5.5	271	36	0.00
02APR94:15:00	9.4	476	50	964	4.8	266	34	0.00
02APR94:16:00	6.9	233	56	964	5.2	292	48	0.00
02APR94:17:00	3.7	107	63	966	4.8	296	50	0.00
02APR94:18:00	2.0	33	63	966	4.9	298	50	0.00
02APR94:19:00	0.0	1	67	967	4.8	301	50	0.00
02APR94:20:00	-1.9	0	67	968	5.5	312	50	0.00
02APR94:21:00	-3.4	0	70	969	5.0	322	50	0.00
02APR94:22:00	-4.0	0	73	969	5.1	321	50	0.00
02APR94:23:00	-4.7	0	75	970	4.1	318	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
03APR94:00:00	-4.9	0	73	970	3.7	326	39	0.00
03APR94:01:00	-5.2	0	75	971	3.1	323	33	0.00
03APR94:02:00	-5.7	0	77	971	3.2	324	50	0.00
03APR94:03:00	-6.1	0	80	971	2.4	324	50	0.00
03APR94:04:00	-6.2	0	78	972	2.8	322	50	0.00
03APR94:05:00	-6.3	0	81	972	2.0	312	14	0.00
03APR94:06:00	-6.2	19	79	973	2.5	328	44	0.00
03APR94:07:00	-5.7	163	69	973	3.6	334	50	0.00
03APR94:08:00	-4.6	357	59	974	3.5	311	50	0.00
03APR94:09:00	-3.7	540	54	974	3.8	301	50	0.00
03APR94:10:00	-2.4	692	49	974	2.7	311	50	0.00
03APR94:11:00	-0.8	793	41	973	2.2	287	49	0.00
03APR94:12:00	0.8	836	37	973	2.1	302	50	0.00
03APR94:13:00	2.3	819	33	972	2.5	292	50	0.00
03APR94:14:00	3.2	741	32	972	3.0	290	50	0.00
03APR94:15:00	3.7	613	26	972	2.8	287	50	0.00
03APR94:16:00	4.5	445	27	972	2.4	267	50	0.00
03APR94:17:00	4.8	250	27	972	2.6	265	50	0.00
03APR94:18:00	2.8	57	32	972	2.4	288	50	0.00
03APR94:19:00	0.1	0	35	972	1.2	258	50	0.00
03APR94:20:00	-1.3	0	36	972	0.9	241	48	0.00
03APR94:21:00	-3.2	0	46	972	0.6	209	50	0.00
03APR94:22:00	-3.9	0	50	972	0.8	215	50	0.00
03APR94:23:00	-3.9	0	51	971	0.8	218	50	0.00
04APR94:00:00	-3.8	0	52	971	1.1	215	50	0.00
04APR94:01:00	-4.2	0	55	970	0.8	218	48	0.00
04APR94:02:00	-5.7	0	68	970	0.4	181	50	0.00
04APR94:03:00	-6.3	0	70	970	0.6	191	41	0.00
04APR94:04:00	-7.5	0	82	971	0.4	124	43	0.00
04APR94:05:00	-7.8	0	85	971	0.3	74	41	0.00
04APR94:06:00	-7.0	14	86	971	0.4	107	49	0.00
04APR94:07:00	-3.2	65	76	971	0.3	161	44	0.00
04APR94:08:00	0.5	363	64	970	1.6	191	50	0.00
04APR94:09:00	4.4	287	47	970	3.0	219	50	0.00
04APR94:10:00	5.8	411	42	969	3.7	208	50	0.00
04APR94:11:00	8.4	478	33	968	4.5	219	50	0.00
04APR94:12:00	9.2	314	33	968	4.9	223	49	0.00
04APR94:13:00	8.3	177	34	967	4.1	216	50	0.00
04APR94:14:00	8.1	160	37	967	5.1	221	50	0.00
04APR94:15:00	7.3	154	43	967	4.4	226	50	0.00
04APR94:16:00	6.1	83	51	967	3.2	233	46	0.10
04APR94:17:00	5.5	34	52	967	1.1	208	50	0.00
04APR94:18:00	5.4	12	54	967	2.1	234	46	0.00
04APR94:19:00	3.5	0	75	967	2.8	270	7	1.00
04APR94:20:00	1.2	0	92	967	0.9	260	1	2.60
04APR94:21:00	0.1	0	94	968	0.1	98	0	3.60
04APR94:22:00	-0.8	0	96	968	0.0	90	0	2.10
04APR94:23:00	-0.9	0	96	967	0.0	90	0	1.30

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
05APR94:00:00	-1.0	0	97	967	0.0	90	0	0.70
05APR94:01:00	-1.0	0	97	966	.	.	1	1.10
05APR94:02:00	-2.3	0	95	966	.	.	2	0.20
05APR94:03:00	-3.8	0	93	967	.	.	4	0.00
05APR94:04:00	-4.1	0	93	967	.	.	4	0.00
05APR94:05:00	-4.9	0	91	967	.	.	4	0.00
05APR94:06:00	-5.7	2	89	968	.	.	18	0.00
05APR94:07:00	-5.7	12	90	969	.	.	47	0.00
05APR94:08:00	-5.4	53	89	969	.	.	50	0.00
05APR94:09:00	-4.7	101	90	970	.	.	32	0.00
05APR94:10:00	-4.2	115	92	970	.	.	15	0.00
05APR94:11:00	-3.6	161	89	971	2.2	14	49	0.00
05APR94:12:00	-3.1	341	84	971	3.5	40	50	0.20
05APR94:13:00	-2.9	329	81	972	3.2	38	50	0.50
05APR94:14:00	-2.8	330	78	972	3.2	45	50	0.00
05APR94:15:00	-2.4	319	73	972	2.7	185	50	0.00
05APR94:16:00	-2.5	200	71	972	2.8	131	50	0.10
05APR94:17:00	-2.8	99	72	973	2.2	86	50	0.00
05APR94:18:00	-3.1	37	74	973	2.0	16	50	0.00
05APR94:19:00	-3.6	1	77	974	1.6	33	50	0.00
05APR94:20:00	-4.1	0	77	974	2.1	293	50	0.00
05APR94:21:00	-5.0	0	77	974	2.1	305	50	0.00
05APR94:22:00	-6.8	0	76	975	2.5	151	50	0.10
05APR94:23:00	-8.1	0	75	976	2.4	105	50	0.00
06APR94:00:00	-9.0	0	78	976	1.6	120	50	0.00
06APR94:01:00	-9.8	0	79	975	1.4	34	50	0.00
06APR94:02:00	-10.5	0	79	975	1.2	151	50	0.00
06APR94:03:00	-10.7	0	79	975	0.6	282	50	0.00
06APR94:04:00	-10.7	0	80	975	0.9	83	50	0.00
06APR94:05:00	-11.9	0	84	975	0.2	111	50	0.00
06APR94:06:00	-12.8	28	86	975	0.0	90	50	0.00
06APR94:07:00	-10.1	190	81	976	1.1	48	50	0.00
06APR94:08:00	-6.3	433	75	976	2.0	54	50	0.00
06APR94:09:00	-3.6	603	65	976	2.9	67	50	0.00
06APR94:10:00	-2.7	734	62	976	3.5	56	50	0.00
06APR94:11:00	-1.9	749	58	976	3.7	58	50	0.00
06APR94:12:00	-1.0	827	55	975	3.7	58	50	0.00
06APR94:13:00	-0.3	772	52	974	4.0	44	50	0.00
06APR94:14:00	0.0	683	48	973	4.3	41	50	0.00
06APR94:15:00	0.1	510	43	974	3.5	32	50	0.00
06APR94:16:00	-0.2	300	42	974	3.2	32	50	0.00
06APR94:17:00	-0.9	176	43	974	3.8	26	50	0.00
06APR94:18:00	-2.1	62	44	974	3.0	34	50	0.00
06APR94:19:00	-3.4	2	46	975	1.9	29	50	0.00
06APR94:20:00	-5.4	0	64	975	0.3	135	50	0.00
06APR94:21:00	-7.2	0	76	976	0.3	63	50	0.00
06APR94:22:00	-5.8	0	56	976	0.9	332	50	0.00
06APR94:23:00	-6.2	0	56	977	1.4	349	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
07APR94:00:00	-6.7	0	58	977	1.8	313	50	0.00
07APR94:01:00	-8.6	0	68	977	0.6	126	50	0.00
07APR94:02:00	-10.9	0	81	977	0.4	185	50	0.00
07APR94:03:00	-12.0	0	85	978	0.1	130	50	0.00
07APR94:04:00	-12.3	0	84	979	0.6	185	50	0.00
07APR94:05:00	-12.5	0	84	980	0.4	174	50	0.00
07APR94:06:00	-12.7	41	85	980	0.2	136	50	0.00
07APR94:07:00	-8.5	260	74	981	1.0	234	50	0.00
07APR94:08:00	-4.3	483	60	982	1.9	312	50	0.00
07APR94:09:00	-1.2	592	43	982	2.5	249	50	0.00
07APR94:10:00	0.5	717	35	983	3.1	173	50	0.00
07APR94:11:00	1.5	807	39	983	3.6	143	50	0.00
07APR94:12:00	2.7	847	38	982	3.2	180	50	0.00
07APR94:13:00	3.6	828	37	982	3.3	144	50	0.00
07APR94:14:00	4.3	749	35	982	2.9	106	50	0.00
07APR94:15:00	4.8	610	33	982	2.4	258	50	0.00
07APR94:16:00	4.9	454	34	982	2.4	275	50	0.00
07APR94:17:00	4.4	262	33	983	2.2	307	50	0.00
07APR94:18:00	3.5	81	35	983	1.6	320	50	0.00
07APR94:19:00	-0.4	1	57	983	0.5	172	50	0.00
07APR94:20:00	-4.8	0	80	984	0.6	72	50	0.00
07APR94:21:00	-6.0	0	84	984	0.4	36	50	0.00
07APR94:22:00	-6.9	0	87	985	0.3	59	50	0.00
07APR94:23:00	-7.7	0	88	985	0.5	49	50	0.00
08APR94:00:00	-8.3	0	87	986	0.5	36	50	0.00
08APR94:01:00	-8.9	0	88	985	0.4	58	50	0.00
08APR94:02:00	-9.1	0	87	985	0.7	39	50	0.00
08APR94:03:00	-9.2	0	87	985	0.6	32	50	0.00
08APR94:04:00	-9.3	0	87	985	0.6	33	50	0.00
08APR94:05:00	-9.6	0	87	985	0.7	34	50	0.00
08APR94:06:00	-9.4	54	86	985	0.8	48	50	0.00
08APR94:07:00	-4.7	215	78	986	0.5	110	50	0.00
08APR94:08:00	0.3	268	58	985	1.6	184	50	0.00
08APR94:09:00	3.6	393	43	985	3.4	194	50	0.00
08APR94:10:00	5.6	582	33	984	3.9	189	50	0.00
08APR94:11:00	6.2	573	32	984	4.2	192	50	0.00
08APR94:12:00	7.1	805	29	982	4.2	181	50	0.00
08APR94:13:00	8.2	705	30	981	3.8	171	50	0.00
08APR94:14:00	8.2	352	30	980	3.9	177	50	0.00
08APR94:15:00	8.1	260	30	978	3.7	175	50	0.00
08APR94:16:00	7.8	113	29	977	3.1	175	50	0.00
08APR94:17:00	7.2	77	31	976	2.6	170	50	0.00
08APR94:18:00	6.5	22	32	976	3.0	176	50	0.00
08APR94:19:00	5.8	1	35	975	2.5	168	50	0.00
08APR94:20:00	5.2	0	35	975	2.9	167	50	0.00
08APR94:21:00	4.7	0	33	975	3.0	180	50	0.00
08APR94:22:00	4.2	0	38	975	3.0	178	49	0.00
08APR94:23:00	3.6	0	49	973	2.1	161	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
09APR94:00:00	3.3	0	53	972	2.3	165	50	0.00
09APR94:01:00	3.3	0	56	971	2.2	191	50	0.00
09APR94:02:00	3.2	0	59	970	1.9	194	50	0.00
09APR94:03:00	3.5	0	61	970	2.0	220	41	0.00
09APR94:04:00	2.6	0	79	969	1.4	175	30	0.10
09APR94:05:00	2.0	0	85	967	0.6	174	21	0.10
09APR94:06:00	1.7	34	87	967	1.1	187	15	0.00
09APR94:07:00	3.9	162	78	967	2.2	193	42	0.00
09APR94:08:00	7.9	373	64	966	4.1	215	50	0.00
09APR94:09:00	11.2	556	51	966	4.5	223	50	0.00
09APR94:10:00	14.2	702	37	965	5.1	238	39	0.00
09APR94:11:00	15.1	802	28	965	5.8	248	14	0.00
09APR94:12:00	14.1	831	30	966	6.2	264	5	0.00
09APR94:13:00	13.3	817	35	966	5.8	259	25	0.00
09APR96:14:00	12.6	729	37	967	5.4	272	43	0.00
09APR94:15:00	12.2	613	39	967	5.4	266	40	0.00
09APR94:16:00	11.2	411	43	967	5.1	269	48	0.00
09APR94:17:00	10.3	250	46	968	4.2	271	49	0.00
09APR94:18:00	8.0	60	55	969	3.7	291	50	0.00
09APR94:19:00	5.6	3	63	970	3.2	287	50	0.00
09APR94:20:00	4.2	0	65	970	2.4	279	50	0.00
09APR94:21:00	3.5	0	66	971	1.5	270	50	0.00
09APR94:22:00	2.5	0	69	971	0.7	239	50	0.00
09APR94:23:00	0.5	0	79	971	0.7	180	43	0.00
10APR94:00:00	0.9	0	75	971	0.3	214	50	0.00
10APR94:01:00	1.5	0	74	971	0.7	225	50	0.00
10APR94:02:00	2.0	0	73	971	0.5	245	50	0.00
10APR94:03:00	2.0	0	73	971	0.9	262	50	0.00
10APR94:04:00	3.0	0	68	972	2.0	320	50	0.00
10APR94:05:00	2.0	0	72	972	1.3	313	50	0.00
10APR94:06:00	1.3	34	75	973	1.6	330	50	0.00
10APR94:07:00	2.2	100	72	974	2.9	326	50	0.00
10APR94:08:00	2.6	130	70	975	3.2	329	50	0.00
10APR94:09:00	3.2	244	66	976	3.9	296	50	0.00
10APR94:10:00	4.5	478	60	977	3.9	327	50	0.00
10APR94:11:00	5.7	601	56	978	3.8	319	50	0.00
10APR94:12:00	7.2	810	49	978	4.8	318	50	0.00
10APR94:13:00	7.9	838	46	978	4.6	306	50	0.00
10APR94:14:00	8.5	746	43	979	4.3	273	50	0.00
10APR94:15:00	8.9	628	39	980	3.9	311	50	0.00
10APR94:16:00	8.6	465	36	980	4.4	317	50	0.00
10APR94:17:00	7.9	270	33	981	4.2	300	50	0.00
10APR94:18:00	6.4	91	36	983	3.6	316	50	0.00
10APR94:19:00	4.0	2	43	983	2.2	324	50	0.00
10APR94:20:00	2.1	0	51	984	1.6	203	50	0.00
10APR94:21:00	-0.7	0	64	985	0.6	80	50	0.00
10APR94:22:00	-5.2	0	85	985	0.2	93	50	0.00
10APR94:23:00	-6.5	0	88	986	0.5	75	50	0.00

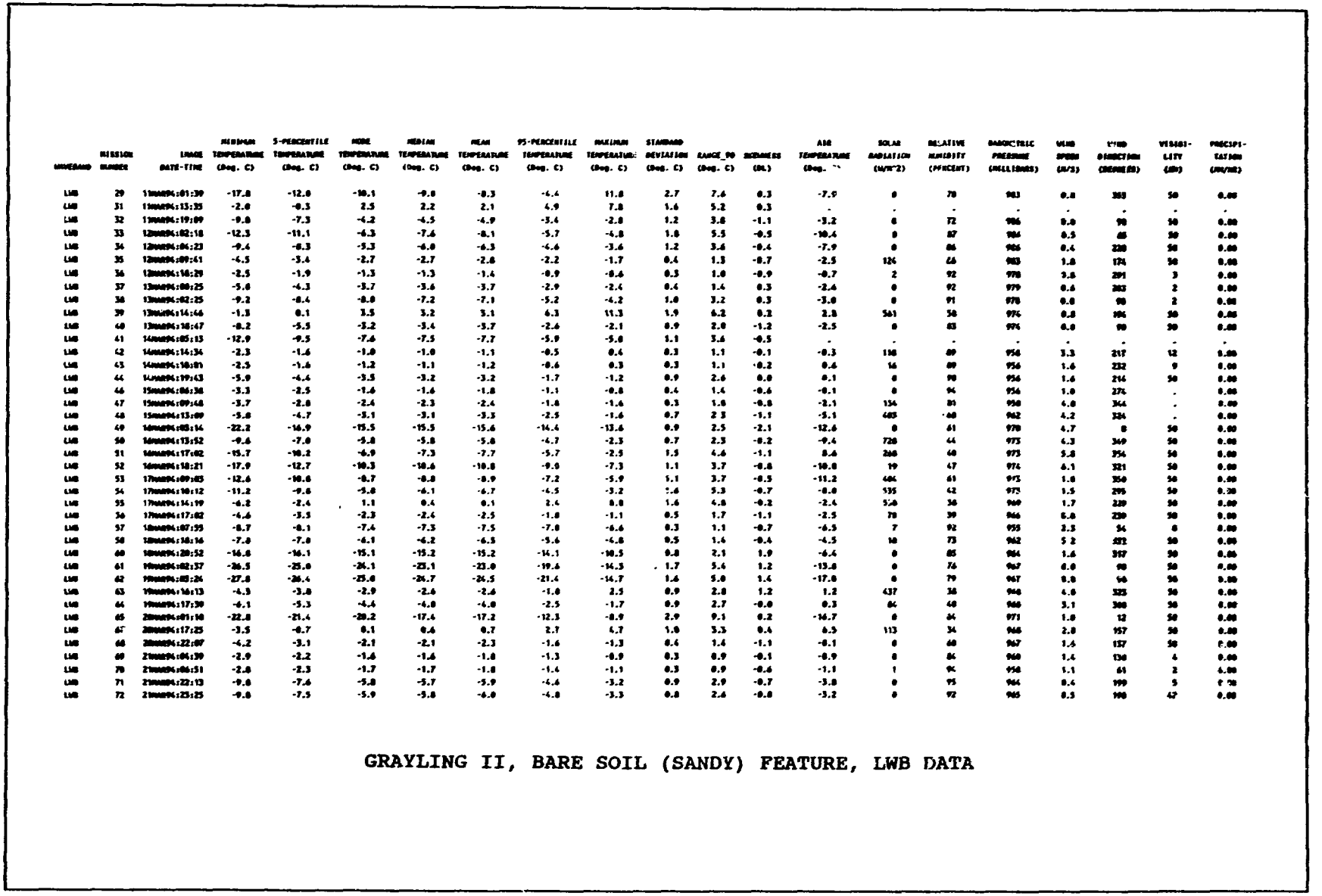
DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
11APR94:00:00	-7.2	0	89	986	0.3	157	50	0.00
11APR94:01:00	-8.0	0	89	987	0.2	70	50	0.00
11APR94:02:00	-8.4	0	90	987	0.4	54	50	0.00
11APR94:03:00	-8.5	0	89	988	0.3	64	50	0.00
11APR94:04:00	-8.7	0	90	988	0.2	102	50	0.00
11APR94:05:00	-8.7	0	89	989	0.6	46	50	0.00
11APR94:06:00	-8.2	27	89	990	0.6	47	50	0.00
11APR94:07:00	-5.0	163	87	990	0.6	68	50	0.00
11APR94:08:00	0.2	275	74	991	0.7	129	50	0.00
11APR94:09:00	3.4	379	56	990	1.8	118	50	0.00
11APR94:10:00	5.5	449	47	990	2.1	126	50	0.00
11APR94:11:00	7.5	675	39	990	2.3	147	50	0.00
11APR94:12:00	8.8	668	35	989	2.2	145	50	0.00
11APR94:13:00	9.5	593	33	989	2.1	158	50	0.00
11APR94:14:00	10.2	557	32	988	1.7	130	50	0.00
11APR94:15:00	10.5	410	29	987	1.8	130	50	0.00
11APR94:16:00	10.5	301	28	987	1.9	141	50	0.00
11APR94:17:00	10.0	174	27	986	1.9	143	50	0.00
11APR94:18:00	8.5	52	28	986	1.1	147	50	0.00
11APR94:19:00	6.0	1	35	986	0.4	112	50	0.00
11APR94:20:00	4.5	0	37	986	0.6	123	50	0.00
11APR94:21:00	2.0	0	48	986	0.5	88	50	0.00
11APR94:22:00	-1.0	0	65	985	0.6	48	50	0.00
11APR94:23:00	-1.7	0	65	985	0.8	56	48	0.00
12APR94:00:00	-1.1	0	62	984	1.0	49	50	0.00
12APR94:01:00	-2.6	0	71	984	0.4	59	50	0.00
12APR94:02:00	-0.8	0	60	982	1.0	83	50	0.00
12APR94:03:00	-0.4	0	59	982	1.2	75	50	0.00
12APR94:04:00	-0.4	0	60	981	1.2	59	50	0.00
12APR94:05:00	-2.3	0	71	981	0.9	54	50	0.00
12APR94:06:00	-2.2	24	70	980	2.0	43	50	0.00
12APR94:07:00	1.7	103	52	980	2.3	70	50	0.00
12APR94:08:00	4.1	185	42	979	2.5	85	50	0.00
12APR94:09:00	5.3	261	43	979	2.9	91	50	0.00
12APR94:10:00	6.8	284	39	978	3.3	98	50	0.00
12APR94:11:00	7.7	239	37	976	3.4	94	50	0.00
12APR94:12:00	8.2	224	41	975	3.4	104	39	0.00
12APR94:13:00	7.1	208	61	974	3.2	108	16	0.00
12APR94:14:00	5.7	198	76	972	3.6	103	37	0.00
12APR94:15:00	4.7	128	85	972	3.2	108	17	0.10
12APR94:16:00	4.0	64	92	970	3.2	93	4	0.90
12APR94:17:00	3.6	21	93	969	3.4	93	3	1.40
12APR94:18:00	3.7	5	94	969	2.2	110	1	4.20
12APR94:19:00	3.8	0	95	968	2.6	89	7	0.60
12APR94:20:00	3.9	0	95	967	2.5	98	13	0.00
12APR94:21:00	3.9	0	96	967	2.1	97	2	0.00
12APR94:22:00	3.7	0	97	966	1.7	100	1	2.34
12APR94:23:00	4.1	0	97	965	1.3	108	13	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATION (MM/HR)
13APR94:00:00	4.2	0	97	965	1.1	87	6	0.10
13APR94:01:00	4.0	0	97	963	1.5	86	1	0.00
13APR94:02:00	3.8	0	98	962	1.8	109	1	0.40
13APR94:03:00	3.7	0	98	961	0.9	257	4	0.00
13APR94:04:00	3.7	0	98	961	0.6	217	0	0.70
13APR94:05:00	3.9	0	98	960	1.2	120	1	1.70
13APR94:06:00	4.2	6	98	959	1.1	166	7	0.40
13APR94:07:00	4.4	25	98	959	0.4	202	3	0.00
13APR94:08:00	4.9	52	98	959	1.3	214	4	0.40
13APR94:09:00	5.3	100	98	959	1.4	226	4	0.80
13APR94:10:00	5.8	139	96	958	1.5	223	4	0.50
13APR94:11:00	5.9	95	95	958	1.8	225	6	0.30
13APR94:12:00	6.2	211	93	957	1.8	240	29	0.10
13APR94:13:00	6.6	129	89	957	1.8	243	47	0.00
13APR94:14:00	5.8	45	92	957	2.1	254	25	0.10
13APR94:15:00	5.7	62	92	957	2.1	249	19	0.30
13APR94:16:00	5.4	60	92	957	2.4	247	24	0.10
13APR94:17:00	4.9	18	93	958	2.2	252	12	0.00
13APR94:18:00	4.7	8	93	958	1.6	246	35	0.00
13APR94:19:00	4.4	3	94	958	1.6	227	16	0.00
13APR94:20:00	4.2	0	94	959	1.8	221	36	0.00
13APR94:21:00	4.4	0	93	959	1.8	226	16	0.00
13APR94:22:00	4.7	0	92	959	2.4	231	8	0.00
13APR94:23:00	4.9	0	91	959	2.9	231	7	0.00
14APR94:00:00	5.0	0	90	960	2.6	241	8	0.00
14APR94:01:00	4.9	0	90	960	2.3	247	8	0.00
14APR94:02:00	4.7	0	90	960	2.0	244	9	0.00
14APR94:03:00	4.7	0	90	960	1.7	241	8	0.00
14APR94:04:00	4.5	0	91	960	1.9	246	4	0.00
14APR94:05:00	4.5	0	91	961	1.8	246	6	0.00
14APR94:06:00	3.9	44	92	962	1.6	237	7	0.00
14APR94:07:00	5.5	181	88	962	1.8	229	7	0.00
14APR94:08:00	8.0	403	81	962	2.8	221	7	0.00
14APR94:09:00	10.6	564	71	963	2.4	239	10	0.00
14APR94:10:00	13.3	706	60	963	3.0	248	41	0.00
14APR94:11:00	15.3	802	52	963	3.7	246	50	0.00
14APR94:12:00	16.8	844	41	963	4.0	242	50	0.00
14APR94:13:00	18.0	819	36	963	4.0	243	50	0.00
14APR94:14:00	18.6	738	33	963	3.9	243	49	0.00
14APR94:15:00	19.0	609	32	963	3.2	250	49	0.00
14APR94:16:00	19.1	446	31	964	2.6	251	50	0.00
14APR94:17:00	18.8	252	31	964	2.2	243	48	0.00
14APR94:18:00	17.1	76	35	964	2.0	224	50	0.00
14APR94:19:00	12.8	2	53	965	0.5	141	50	0.00
14APR94:20:00	6.4	0	80	966	0.6	24	50	0.00
14APR94:21:00	3.9	0	87	967	0.6	18	50	0.00
14APR94:22:00	2.4	0	88	967	0.8	36	50	0.00
14APR94:23:00	1.8	0	90	967	0.8	29	50	0.00

DATE AND TIME OF COLLECTION	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	RAIN PRECIPITATIO (MM/HR)
15APR94:00:00	4.9	0	80	966	0.9	90	50	0.00
15APR94:01:00	8.6	0	69	965	0.8	121	50	0.00
15APR94:02:00	8.8	0	73	964	1.0	104	50	0.00
15APR94:03:00	10.2	0	76	963	0.9	113	49	0.00
15APR94:04:00	10.7	0	85	963	1.6	134	8	1.40
15APR94:05:00	10.3	0	91	961	2.1	123	7	0.00
15APR94:06:00	10.5	16	88	960	2.0	[illegible]5	10	0.10
15APR94:07:00	11.3	73	82	959	2.2	[illegible]5[illegible]	28	0.00
15APR94:08:00	11.0	9	84	959	2.4	16[illegible]	19	2.51
15APR94:09:00	10.4	27	93	958	2.8	159	1	5.50
15APR94:10:00	10.7	73	93	957	3.7	156	3	1.90
15APR94:11:00	12.3	214	91	955	3.2	159	36	0.00
15APR94:12:00	13.3	101	89	954	4.2	183	35	0.00
15APR94:13:00	13.0	38	94	955	3.7	196	2	0.60
15APR94:14:00	13.2	109	93	954	3.7	192	10	0.10
15APR94:15:00	13.2	23	92	954	3.9	189	3	0.00

Appendix B
Image Metrics and 1-Min Meterological Data[1] Collected During Smart Weapons Operability Enhancement Scheduled 1-Hr Missions at Grayling II

[1] U.S. Army Cold Regions Research and Engineering Laboratory Meterological Station E3.



WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	29	11MAR94:01:39	-17.8	-12.8	-10.1	-9.8	-8.3	-4.4	11.8	2.7	7.6	0.3	-7.9	0	78	983	0.8	360	50	0.00
LWB	31	11MAR94:13:35	-2.0	-0.3	2.5	2.2	2.1	4.9	7.8	1.6	5.2	0.3	-	-	-	-	-	-	-	-
LWB	32	11MAR94:19:09	-9.8	-7.3	-4.2	-4.5	-4.9	-3.4	-2.8	1.2	3.8	-1.1	-3.2	0	72	986	0.0	90	50	0.00
LWB	33	12MAR94:02:18	-12.3	-11.1	-6.3	-7.6	-8.1	-5.7	-4.8	1.8	5.5	-0.5	-10.4	0	87	986	0.5	45	50	0.00
LWB	34	12MAR94:06:23	-9.4	-8.3	-5.3	-6.0	-6.3	-4.6	-3.6	1.2	3.6	-0.4	-7.9	0	86	985	0.4	220	50	0.00
LWB	35	12MAR94:09:41	-6.5	-5.4	-2.7	-2.7	-2.8	-2.2	-1.7	0.4	1.3	-0.7	-2.5	126	66	983	1.8	174	50	0.00
LWB	36	12MAR94:16:29	-2.5	-1.9	-1.3	-1.3	-1.4	-0.9	-0.6	0.3	1.0	-0.9	-0.7	2	92	978	3.8	291	3	0.00
LWB	37	13MAR94:00:25	-5.6	-4.3	-3.7	-3.6	-3.7	-2.9	-2.4	0.4	1.4	0.3	-2.4	0	92	979	0.6	283	2	0.00
LWB	38	13MAR94:02:25	-9.2	-8.4	-8.0	-7.2	-7.1	-5.2	-4.2	1.0	3.2	0.3	-5.0	0	91	978	0.0	90	2	0.00
LWB	39	13MAR94:14:46	-1.3	0.1	3.5	3.2	3.1	6.3	11.3	1.9	6.2	0.2	2.8	561	58	974	0.8	306	50	0.00
LWB	40	13MAR94:18:47	-8.2	-5.5	-3.2	-3.4	-3.7	-2.6	-2.1	0.9	2.0	-1.2	-2.5	0	83	976	0.0	90	50	0.00
LWB	41	14MAR94:05:13	-12.9	-9.5	-7.6	-7.5	-7.7	-5.9	-5.0	1.1	3.6	-0.5	-	-	-	-	-	-	-	-
LWB	42	14MAR94:14:34	-2.3	-1.6	-1.0	-1.0	-1.1	-0.5	0.4	0.3	1.1	-0.1	-0.3	138	89	956	3.3	247	12	0.00
LWB	43	14MAR94:18:01	-2.5	-1.6	-1.2	-1.1	-1.2	-0.6	0.3	0.3	1.1	-0.2	0.6	16	89	956	1.6	232	9	0.00
LWB	44	14MAR94:19:43	-5.9	-4.4	-3.5	-3.2	-3.2	-1.7	-1.2	0.9	2.6	0.0	0.1	0	90	956	1.6	216	50	0.00
LWB	46	15MAR94:06:38	-3.3	-2.5	-1.6	-1.6	-1.8	-1.1	-0.8	0.4	1.4	-0.6	-0.1	0	94	956	1.0	270	-	0.00
LWB	47	15MAR94:09:48	-3.7	-2.8	-2.4	-2.3	-2.4	-1.8	-1.6	0.3	1.0	-0.8	-2.1	154	81	958	4.0	344	-	0.00
LWB	48	15MAR94:13:09	-5.8	-4.7	-3.1	-3.1	-3.3	-2.5	-1.6	0.7	2.3	-1.1	-5.1	485	60	962	4.2	324	-	0.00
LWB	49	16MAR94:05:14	-22.2	-16.9	-15.5	-15.5	-15.6	-14.4	-13.6	0.9	2.5	-2.1	-12.6	0	61	978	4.7	0	50	0.00
LWB	50	16MAR94:13:52	-9.6	-7.0	-5.8	-5.8	-5.8	-4.7	-2.3	0.7	2.3	-0.2	-9.4	720	44	973	4.3	349	50	0.00
LWB	51	16MAR94:17:02	-15.7	-10.2	-6.9	-7.3	-7.7	-5.7	-2.5	1.5	4.6	-1.1	8.6	268	49	973	5.8	356	50	0.00
LWB	52	16MAR94:18:21	-17.9	-12.7	-10.3	-10.6	-10.8	-9.0	-7.3	1.1	3.7	-0.8	-10.8	19	47	974	6.1	321	50	0.00
LWB	53	17MAR94:09:45	-12.6	-10.6	-8.7	-8.8	-8.9	-7.2	-5.9	1.1	3.7	-0.5	-11.2	484	61	973	1.8	350	50	0.00
LWB	54	17MAR94:10:12	-11.2	-9.6	-5.8	-6.1	-6.7	-4.5	-3.2	1.6	5.3	-0.7	-8.8	535	62	973	1.5	295	50	0.20
LWB	55	17MAR94:14:19	-6.8	-2.4	1.1	0.4	0.1	2.4	8.8	1.6	4.8	-0.2	-2.4	540	36	969	1.7	239	50	0.00
LWB	56	17MAR94:17:02	-4.6	-3.5	-2.3	-2.4	-2.5	-1.8	-1.1	0.5	1.7	-1.1	-2.5	78	39	966	6.8	230	50	0.00
LWB	57	18MAR94:07:55	-8.7	-8.1	-7.4	-7.3	-7.5	-7.0	-6.6	0.3	1.1	-0.7	-6.5	7	92	955	2.3	56	0	0.00
LWB	58	18MAR94:16:16	-7.0	-7.0	-6.1	-6.2	-6.5	-5.6	-4.8	0.5	1.4	-0.4	-4.5	18	73	962	5.2	322	50	0.00
LWB	60	18MAR94:20:52	-16.6	-16.1	-15.1	-15.2	-15.2	-14.1	-10.5	0.8	2.1	1.9	-6.4	0	85	984	1.6	347	50	0.00
LWB	61	19MAR94:02:37	-26.5	-25.0	-24.1	-23.1	-23.0	-19.6	-14.3	1.7	5.4	1.2	-13.8	0	76	967	0.0	90	50	0.00
LWB	62	19MAR94:08:26	-27.8	-26.4	-25.0	-26.7	-26.5	-21.4	-14.7	1.6	5.0	1.4	-17.0	0	79	967	0.0	90	50	0.00
LWB	63	19MAR94:16:13	-4.3	-3.0	-2.9	-2.6	-2.6	-1.0	2.5	0.9	2.8	1.2	1.2	437	38	948	4.0	325	50	0.00
LWB	64	19MAR94:17:30	-6.1	-5.3	-4.4	-4.8	-4.8	-2.5	-1.7	0.9	2.7	-0.8	0.3	84	48	966	3.1	300	50	0.00
LWB	65	20MAR94:01:10	-22.8	-21.4	-20.2	-17.4	-17.2	-12.3	-8.9	2.9	9.1	0.2	-16.7	0	84	971	1.8	12	50	0.00
LWB	67	20MAR94:17:25	-3.5	-0.7	0.1	0.6	0.7	2.7	6.7	1.8	5.3	0.4	6.5	113	34	966	2.8	157	50	0.00
LWB	68	20MAR94:22:07	-4.2	-3.1	-2.1	-2.1	-2.3	-1.6	-1.3	0.4	1.4	-1.1	-0.1	0	68	967	1.6	137	50	0.00
LWB	69	21MAR94:06:39	-2.9	-2.2	-1.6	-1.6	-1.8	-1.3	-0.9	0.3	0.9	-0.1	-0.9	0	86	960	1.6	130	6	0.00
LWB	70	21MAR94:06:51	-2.8	-2.3	-1.7	-1.7	-1.8	-1.4	-1.1	0.3	0.9	-0.6	-1.1	1	94	958	1.1	61	2	0.00
LWB	71	21MAR94:22:13	-9.8	-7.6	-5.8	-5.7	-5.9	-4.6	-3.2	0.9	2.9	-0.7	-3.8	0	95	964	0.6	199	5	0.00
LWB	72	21MAR94:23:25	-9.8	-7.5	-5.9	-5.8	-6.0	-4.8	-3.3	0.8	2.6	-0.8	-3.2	0	92	965	0.5	198	42	0.00

GRAYLING II, BARE SOIL (SANDY) FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M**2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	73	22MAR94:03:35	-12.3	-9.2	-7.3	-7.5	-7.7	-6.1	-4.8	1.8	3.1	-0.6	-7.2	0	92	965	0.8	90	50	0.00
LWB	74	22MAR94:11:58	0.1	1.8	4.2	4.2	4.1	6.6	8.5	1.4	4.7	0.1	10.4	737	35	964	4.8	264	50	0.00
LWB	75	22MAR94:14:39	0.1	3.7	7.3	7.0	6.7	8.8	12.9	1.5	5.8	-0.7	11.9	483	34	962	5.7	238	50	0.00
LWB	76	22MAR94:20:33	-5.6	-2.9	-1.7	-1.6	-1.5	1.1	2.8	1.2	4.0	0.9	6.1	0	56	962	1.6	222	50	0.00
LWB	77	23MAR94:16:17	6.7	8.1	9.3	9.5	9.5	11.5	13.0	1.1	3.4	0.3	8.9	482	43	965	2.6	86	50	0.00
LWB	78	23MAR94:19:10	0.8	0.8	1.3	1.5	1.4	2.3	3.2	0.5	1.5	0.5	4.0	0	51	965	2.5	59	50	0.00
LWB	83	23MAR94:22:08	-2.0	-1.4	-0.8	-0.8	-0.9	-0.1	0.5	0.3	1.0	0.2	0.8	0	73	965	1.9	61	50	0.00
LWB	81	24MAR94:00:04	-1.0	-0.4	0.2	0.2	0.1	0.5	1.0	0.3	1.0	-0.9	0.6	35	94	957	1.3	245	6	0.00
LWB	82	24MAR94:14:48	-1.5	-0.7	-0.2	-0.1	-0.1	0.5	1.8	0.4	1.1	-0.4	-0.3	286	79	962	5.2	267	13	0.00
LWB	83	24MAR94:21:31	-7.1	-5.8	-5.6	-5.1	-5.2	-4.5	-4.1	0.5	1.4	-0.4	-5.1	0	72	972	4.6	306	50	0.00
LWB	84	24MAR94:22:03	-7.2	-6.3	-5.8	-5.7	-5.8	-4.9	-4.5	0.4	1.4	0.3	-5.2	0	73	972	3.7	309	49	0.00
LWB	85	25MAR94:06:46	-8.3	-7.5	-6.6	-6.4	-6.5	-5.7	-5.1	0.5	1.6	-0.1	-6.7	7	78	976	3.4	314	50	0.00
LWB	86	25MAR94:09:16	-7.0	-5.0	-4.0	-3.8	-3.8	-2.3	-1.3	0.8	2.7	-0.0	-5.3	444	64	977	4.7	349	50	0.00
LWB	87	25MAR94:20:17	-12.6	-9.6	-7.8	-7.5	-7.8	-6.0	-5.0	1.2	3.6	-0.9	-9.3	0	58	978	1.5	0	50	0.00
LWB	88	25MAR94:23:42	-16.1	-13.5	-11.7	-11.2	-11.0	-8.2	-6.6	1.6	5.6	0.1	-8.8	0	85	978	0.0	90	50	0.00
LWB	89	26MAR94:07:48	-7.5	-6.5	-5.8	-5.6	-5.6	-4.5	-3.9	0.6	2.0	-0.2	-5.4	66	75	977	0.8	148	50	0.00
LWB	90	26MAR94:10:58	0.2	1.4	2.7	3.2	3.3	5.0	8.7	1.4	4.4	0.5	2.7	428	49	975	4.4	215	50	0.00
LWB	96	27MAR94:10:32	-2.7	-2.1	-1.5	-1.5	-1.6	-1.0	-0.1	0.3	1.1	-0.4	-0.8	176	88	965	0.1	119	9	0.00
LWB	97	28MAR94:08:06	-4.5	-3.9	-3.3	-3.3	-3.4	-3.0	-2.7	0.3	0.9	-0.7	-5.1	63	96	967	1.5	253	8	0.00
LWB	98	28MAR94:13:44	0.8	4.2	5.1	5.2	5.1	6.1	7.4	0.7	1.9	-1.8	2.4	326	67	966	3.8	302	50	0.00
LWB	99	28MAR94:19:06	1.1	3.5	5.4	5.3	5.1	6.3	7.4	0.9	2.8	-1.4	2.6	367	64	969	2.5	279	50	0.00
LWB	100	28MAR94:19:28	-4.1	-4.0	-4.1	-4.0	-4.1	-3.1	-0.9	0.6	1.8	0.1	-1.2	0	78	970	0.0	90	50	0.00
LWB	101	29MAR94:08:52	-6.3	-5.4	-4.9	-4.6	-4.7	-4.0	-3.3	0.6	1.4	-0.5	-3.7	0	94	973	0.0	90	5	0.00
LWB	102	29MAR94:20:44	-5.7	-4.8	-4.1	-4.1	-4.3	-3.5	-2.9	0.4	1.3	0.1	-2.9	0	87	980	0.0	20	0	0.00
LWB	107	29MAR94:21:57	-7.5	-6.5	-5.6	-5.6	-5.7	-4.8	-4.3	0.5	1.7	-0.6	-5.6	0	89	981	0.6	356	16	0.00
LWB	104	29MAR94:23:12	-8.9	-7.6	-7.2	-6.7	-6.8	-5.5	-4.2	0.7	2.1	0.5	-5.5	0	92	981	0.2	37	11	0.00
LWB	105	30MAR94:05:15	-9.9	-9.0	-8.3	-8.2	-8.2	-6.8	-5.9	0.6	2.2	0.5	-5.2	0	89	982	1.5	330	50	0.00
LWB	106	30MAR94:11:21	-1.1	1.0	2.1	2.6	2.6	4.5	6.3	1.1	3.5	0.8	-1.0	761	55	984	2.8	304	50	0.00
LWB	107	30MAR94:14:14	2.5	4.8	6.3	6.7	6.8	9.3	12.4	1.4	4.5	0.3	1.6	786	47	982	4.3	281	50	0.00
LWB	108	30MAR94:18:42	-6.9	-5.4	-4.5	-4.2	-4.2	-2.6	-1.0	0.8	2.7	0.2	-0.4	18	56	981	1.1	251	50	0.00
LWB	109	31MAR94:04:02	-14.5	-12.8	-10.6	-10.7	-10.8	-8.7	-6.2	1.2	4.0	0.0	-8.3	0	89	977	0.0	90	14	0.00
LWB	110	31MAR94:06:35	-13.4	-11.3	-10.5	-10.5	-10.6	-9.1	-7.0	1.0	3.0	-0.2	-7.9	15	90	977	0.5	214	14	0.00
LWB	111	31MAR94:10:23	1.1	2.2	3.6	4.0	3.8	5.3	5.8	0.9	3.8	-0.2	3.3	473	50	975	3.5	295	50	0.00
LWB	112	31MAR94:16:52	6.7	8.4	9.9	10.4	10.4	12.8	14.3	1.3	4.5	0.3	7.9	520	34	971	3.8	230	50	0.00
LWB	113	01APR94:00:12	-2.6	-0.5	-5.6	-5.6	-5.6	-4.0	-3.1	0.7	2.5	-0.1	-1.2	0	65	971	0.5	221	50	0.00
LWB	114	01APR94:02:26	-10.5	-9.1	-7.4	-7.5	-7.7	-6.4	-5.3	0.8	2.7	-0.6	-5.6	0	90	971	0.0	90	14	0.00
LWB	115	01APR94:04:07	-10.2	-8.6	-7.8	-7.5	-7.5	-5.8	7.2	1.8	2.8	5.1	-6.5	0	89	971	0.9	55	13	0.00
LWB	116	01APR94:23:15	-6.7	-5.6	-5.0	-4.8	-4.8	-3.6	-2.3	0.6	2.1	0.9	-0.6	0	47	973	1.2	136	50	0.00
LWB	117	02APR94:01:05	-5.5	-4.6	-4.1	-4.1	-4.2	-3.6	-3.0	0.6	1.2	0.2	-0.8	0	51	972	1.6	115	50	0.00
LWB	118	02APR94:20:37	-5.8	-4.9	-4.1	-4.1	-4.1	-3.2	-2.6	0.5	1.7	-0.3	-2.1	0	67	968	4.0	317	50	0.00

GRAYLING II, BARE SOIL (SANDY) FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	119	02APR94:22:13	-5.6	-6.6	-6.1	-6.0	-6.2	-3.5	-3.1	0.3	1.1	0.0	-5.9	0	73	960	6.6	340	50	0.00
LWB	121	03APR94:08:19	-8.0	-7.2	-6.5	-6.5	-6.6	-5.9	-5.1	0.4	1.2	-0.1	-6.2	0	81	972	2.3	302	5	0.00
LWB	122	03APR94:14:05	3.4	9.5	16.7	15.3	14.7	18.1	20.9	2.8	8.7	-1.0	2.9	788	34	972	3.3	295	50	0.00
LWB	123	03APR94:18:35	-2.6	-0.8	0.2	0.4	0.4	1.9	4.2	0.8	2.7	0.6	2.6	39	33	972	4.3	295	50	0.00
LWB	124	03APR94:19:26	-5.7	-4.5	-3.7	-3.6	-3.7	-2.7	-1.1	0.6	1.8	0.2	0.8	0	36	972	0.9	288	50	0.00
LWB	125	04APR94:02:53	-11.7	-10.3	-9.6	-9.1	-9.1	-7.5	-6.8	0.9	2.9	0.4	-6.5	0	69	971	0.9	288	50	0.00
LWB	126	04APR94:08:49	-7.3	-6.5	-5.9	-5.8	-5.9	-5.2	-4.5	0.4	1.3	-0.1	-6.0	25	86	971	1.0	221	50	0.00
LWB	127	04APR94:09:52	2.2	3.9	4.9	5.2	5.1	6.7	7.8	0.8	2.8	0.2	4.5	230	66	970	3.5	253	50	0.00
LWB	128	04APR94:13:27	4.2	6.4	8.0	7.9	7.7	8.8	9.5	0.8	2.4	-0.9	8.3	128	34	967	5.8	240	50	0.00
LWB	129	05APR94:05:06	-4.6	-4.1	-3.5	-3.5	-3.6	-3.1	-2.3	0.3	1.0	-0.2	-3.4	0	93	967	-	-	2	0.00
LWB	130	05APR94:13:26	-3.9	-3.3	-2.6	-2.6	-2.7	-2.1	0.2	0.6	1.2	0.5	-2.8	334	82	972	2.1	3	50	0.00
LWB	131	05APR94:17:44	-5.0	-4.2	-3.6	-3.5	-3.6	-2.8	-1.6	0.4	1.4	0.5	-2.8	91	72	973	2.0	7	50	0.00
LWB	132	05APR94:18:19	-5.6	-4.8	-4.2	-4.1	-4.2	-3.4	-2.4	0.6	1.4	-0.1	-3.1	43	74	973	1.6	7	50	0.00
LWB	133	06APR94:09:10	-4.7	-3.9	-3.2	-3.0	-3.0	-1.6	0.5	0.7	2.2	0.9	-4.0	600	68	976	1.9	91	50	0.00
LWB	134	06APR94:10:58	-3.6	-2.5	-1.8	-1.6	-1.6	0.3	6.7	1.1	2.8	3.1	-2.2	721	61	976	3.8	43	50	0.00
LWB	135	06APR94:14:23	-2.4	-0.9	3.6	2.7	2.7	7.2	13.0	2.5	8.1	0.5	-0.2	545	48	974	4.7	32	50	0.00
LWB	136	06APR94:17:34	-4.1	-2.7	-1.8	-0.9	-1.1	0.4	2.4	0.9	3.1	-0.2	-0.9	183	45	974	3.6	36	50	0.00
LWB	137	07APR94:07:41	-8.2	-6.6	-5.6	-5.2	-5.3	-3.5	-2.5	1.0	3.1	0.2	-7.3	306	78	982	1.1	309	50	0.00
LWB	138	07APR94:10:10	-1.6	1.0	3.7	3.9	3.9	7.5	12.2	2.0	6.5	0.5	4.0	110	33	983	2.1	337	50	0.00
LWB	139	07APR94:19:08	-6.7	-5.1	-2.5	-2.0	-2.0	-0.4	2.1	0.8	2.7	0.9	2.1	5	61	988	0.9	334	50	0.00
LWB	140	07APR94:20:24	-9.0	-7.3	-6.1	-6.0	-6.1	-4.6	-3.4	0.7	2.5	0.1	-4.7	0	79	986	0.6	6	50	0.00
LWB	143	13APR94:15:55	6.0	6.7	7.5	7.3	7.2	7.7	8.2	0.3	0.9	-0.6	6.4	79	90	957	1.5	250	50	0.00
LWB	144	13APR94:16:37	4.2	4.9	5.4	5.4	5.3	5.8	6.2	0.3	0.9	-0.6	5.4	55	91	957	1.6	254	50	0.00
LWB	145	14APR94:02:02	3.0	3.7	4.2	4.2	4.0	4.5	4.8	0.3	0.8	0.0	4.7	0	90	960	1.8	260	8	0.00
LWB	146	14APR94:08:43	-1.1	0.0	0.8	0.9	0.7	1.6	2.2	0.5	1.6	-0.2	4.3	0	91	961	1.4	266	6	0.00
LWB	147	14APR94:15:15	15.6	19.0	21.9	22.1	22.1	25.5	28.8	1.9	6.5	0.8	19.3	645	32	963	2.8	271	50	0.00
LWB	148	14APR94:16:34	15.1	19.1	21.2	21.8	22.0	25.6	28.3	2.0	6.5	0.3	19.2	433	31	964	2.1	253	50	0.00
LWB	149	15APR94:02:36	5.8	5.5	5.9	6.8	5.9	6.6	7.2	0.3	1.0	0.3	8.9	0	73	963	0.8	164	50	0.00
LWB	170	15APR94:06:23	8.6	9.2	9.5	9.6	9.5	10.0	10.3	0.2	0.8	-0.6	10.5	6	88	960	2.5	146	10	0.00
LWB	171	15APR94:08:16	8.6	9.2	9.6	9.7	9.6	10.0	10.3	0.2	0.8	-0.6	11.4	7	79	958	2.7	167	44	0.00
LWB	172	15APR94:14:14	11.7	12.3	12.8	12.8	12.7	13.1	13.4	0.2	0.8	-0.5	13.1	78	94	954	3.5	190	10	0.00

GRAYLING II, BARE SOIL (SANDY) FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	119	02APR96:22:13	-4.4	-3.3	-2.6	-2.4	-2.6	-1.6	-0.8	0.5	1.7	0.1	-3.9	0	73	969	4.6	310	50	0.00
SWB	120	02APR96:23:21	-5.2	-3.8	-3.1	-3.0	-3.1	-2.2	-1.4	0.5	1.7	0.1	-4.7	0	79	969	4.7	328	50	0.00
SWB	121	03APR96:05:19	-6.9	-5.5	-4.9	-4.6	-4.7	-3.7	-2.9	0.5	1.8	-0.3	-6.2	0	81	972	2.3	302	5	0.00
SWB	122	03APR96:14:05	7.7	16.0	26.1	25.0	23.8	27.7	30.1	3.7	11.7	-1.4	2.9	720	34	972	3.3	286	50	0.00
SWB	123	03APR96:18:35	1.8	3.2	4.5	4.8	4.8	6.9	9.5	1.1	3.7	0.5	2.6	39	33	972	4.3	295	50	0.00
SWB	124	03APR96:19:24	-3.6	-1.9	-1.0	-0.8	-1.0	0.2	1.4	0.7	2.1	-0.2	0.0	0	56	972	0.9	265	50	0.00
SWB	125	04APR96:02:53	-8.5	-7.0	-6.1	-5.8	-6.0	-4.6	-3.3	0.7	2.5	-0.0	-6.5	0	69	971	0.9	288	50	0.00
SWB	126	04APR96:06:49	-5.8	-4.3	-3.3	-3.1	-3.3	-2.0	-1.1	0.7	2.3	-0.8	-6.0	25	86	971	1.0	221	50	0.00
SWB	127	04APR96:09:52	3.9	5.8	7.4	7.5	7.4	9.1	10.6	1.0	3.2	-0.1	4.5	236	46	970	3.5	253	50	0.00
SWB	128	04APR96:13:27	5.8	7.1	8.8	8.7	8.5	9.8	10.6	0.8	2.7	-0.4	8.3	120	34	967	5.8	216	50	0.00
SWB	129	05APR96:05:04	-4.4	-3.0	-2.3	-2.0	-2.2	-1.4	-0.2	0.5	1.8	-0.3	-3.4	0	95	967	.	.	2	0.00
SWB	130	05APR96:13:26	-3.3	-1.6	-0.8	-0.7	-0.8	0.2	1.9	0.6	1.8	-0.1	-2.8	314	82	972	2.1	5	50	0.00
SWB	131	05APR96:17:44	-3.8	-2.6	-1.9	-1.6	-1.6	0.3	2.5	0.9	2.9	1.2	-2.8	91	72	973	2.8	7	50	0.00
SWB	132	05APR96:18:19	-4.7	-3.3	-2.6	-2.4	-2.6	-1.5	-0.3	0.6	1.8	0.3	-3.1	43	74	973	1.6	7	50	0.00
SWB	133	06APR96:09:18	-0.8	1.2	2.6	6.8	6.2	12.0	18.8	3.4	10.8	0.2	-4.8	688	66	976	1.9	91	50	0.00
SWB	134	06APR96:10:58	-0.3	1.9	4.7	6.7	6.7	7.5	12.8	1.8	5.6	-0.0	-2.2	721	61	976	3.8	43	50	0.00
SWB	135	06APR96:14:23	0.8	3.9	9.6	9.1	9.6	17.1	24.1	4.0	13.2	0.5	-0.2	545	48	974	4.7	32	50	0.00
SWB	136	06APR96:17:34	-1.8	0.7	3.5	3.8	3.5	5.8	8.5	1.6	5.1	-0.5	-0.9	163	43	974	2.6	38	50	0.00
SWB	137	07APR96:07:41	-2.9	-0.6	0.8	1.3	1.4	6.1	9.6	1.5	6.7	0.7	-7.3	386	70	982	1.1	300	50	0.00
SWB	138	07APR96:10:10	1.1	7.1	12.9	12.9	12.8	17.2	20.8	3.8	10.1	-0.8	4.8	140	55	985	2.1	337	50	0.00
SWB	139	07APR96:19:05	-2.2	-0.6	0.7	1.8	0.8	2.5	5.2	0.9	2.9	0.6	2.1	5	61	983	0.9	324	50	0.00
SWB	140	07APR96:20:24	-6.3	-3.8	-2.6	-2.4	-2.6	-1.2	0.5	0.8	2.6	-0.4	-4.7	0	79	984	0.6	4	50	0.00
SWB	143	13APR96:15:55	6.6	7.4	8.8	8.1	8.6	8.7	9.5	0.4	1.3	-0.3	6.4	79	98	957	1.5	258	50	0.00
SWB	144	13APR96:16:37	5.3	6.6	7.1	7.3	7.2	8.0	8.8	0.4	1.4	-0.2	5.6	55	91	957	1.6	256	50	0.00
SWB	145	14APR96:02:02	3.4	4.7	5.6	5.4	5.3	6.8	7.8	0.4	1.4	-0.1	4.7	0	98	960	1.8	240	0	0.00
SWB	146	14APR96:05:43	2.3	3.7	4.2	4.3	4.2	5.1	6.0	0.4	1.4	0.2	4.3	0	91	961	1.6	246	6	0.00
SWB	147	14APR96:15:15	21.2	26.6	29.6	30.0	29.0	33.1	35.8	2.0	6.5	-0.5	19.3	645	32	965	2.8	271	50	0.00
SWB	148	14APR96:16:34	19.3	25.8	29.2	29.6	29.4	32.8	35.6	2.1	7.0	-0.6	19.2	433	31	964	2.1	253	50	0.00
SWB	149	15APR96:02:34	6.2	7.3	7.9	8.0	7.9	8.7	9.5	0.4	1.4	0.2	8.9	0	73	963	0.8	164	50	0.00
SWB	170	15APR96:06:25	9.3	10.3	10.8	10.8	10.7	11.5	12.1	0.4	1.2	0.1	10.5	6	88	960	2.5	144	10	0.00
SWB	171	15APR96:08:16	9.7	10.7	11.3	11.3	11.2	11.9	12.6	0.4	1.2	0.5	11.4	7	79	958	2.7	187	44	0.00
SWB	172	15APR96:14:14	12.3	13.3	13.8	13.8	13.7	14.3	14.8	0.3	1.1	0.2	13.1	78	94	954	3.5	199	10	0.00

GRAYLING II, BARE SOIL (SANDY) FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	73	22MAR94:03:35	-8.0	-5.8	-4.3	-3.7	-3.8	-1.8	-0.4	1.3	4.0	-0.1	-7.2	0	92	965	8.0	90	50	0.00
SWB	74	22MAR94:11:50	6.0	7.8	9.3	10.1	10.1	12.5	16.7	1.4	4.7	0.0	10.4	737	35	964	4.8	244	50	0.00
SWB	75	22MAR94:14:19	5.6	7.7	12.9	12.2	11.7	14.1	17.5	1.9	6.4	-0.9	11.9	683	34	962	5.9	230	50	0.00
SWB	76	22MAR94:20:33	1.3	2.3	2.9	3.1	3.1	4.7	6.2	0.7	2.4	0.9	6.1	0	56	962	1.6	222	50	0.00
SWB	77	23MAR94:14:17	9.5	12.1	13.3	13.6	13.6	15.8	18.3	1.1	3.7	0.5	8.9	482	43	965	2.6	86	50	0.00
SWB	78	23MAR94:19:10	1.4	2.7	3.7	3.7	3.5	4.5	5.7	0.5	1.8	-0.8	4.8	0	51	965	2.5	59	50	0.00
SWB	80	23MAR94:22:08	-0.8	0.3	0.8	1.1	1.0	1.9	2.7	0.5	1.6	0.2	0.8	0	73	965	1.9	62	50	0.00
SWB	81	24MAR94:09:04	-0.1	1.1	1.8	1.8	1.7	2.5	3.2	0.5	1.4	-0.8	0.6	35	94	957	1.3	245	6	0.00
SWB	82	24MAR94:14:48	0.6	1.7	2.5	2.6	2.4	3.4	4.2	0.5	1.8	0.3	-0.3	206	79	962	5.2	267	13	0.00
SWB	83	24MAR94:21:31	-5.6	-4.1	-3.1	-3.0	-3.1	-2.0	-1.1	0.6	2.1	-0.4	-5.1	0	72	972	4.6	306	50	0.00
SWB	84	24MAR94:22:03	-6.0	-4.4	-3.4	-3.3	-3.6	-2.3	-1.0	0.7	2.1	0.2	-5.2	0	73	972	3.7	309	49	0.00
SWB	85	25MAR94:06:46	-7.4	-5.6	-4.7	-4.6	-4.7	-3.6	-2.4	0.6	2.1	-0.2	-6.7	7	78	976	3.4	316	50	0.00
SWB	86	25MAR94:09:16	-1.4	1.6	5.4	7.2	7.0	15.4	25.5	4.1	13.8	0.5	-5.3	444	64	977	4.7	349	50	0.00
SWB	87	25MAR94:20:17	-6.8	-4.4	-3.0	-2.7	-2.9	-1.4	-0.3	0.9	3.1	-0.4	-5.3	0	58	978	1.5	0	50	0.00
SWB	88	25MAR94:23:42	-10.8	-8.2	-7.2	-6.6	-6.6	-4.4	-2.6	1.2	3.8	0.1	-8.8	0	85	978	0.0	90	50	0.00
SWB	89	26MAR94:07:48	-4.6	-3.3	-2.6	-2.3	-2.4	-1.5	-0.6	0.6	1.8	-0.4	-5.4	66	75	977	0.8	148	50	0.00
SWB	90	26MAR94:10:50	4.0	7.2	11.7	12.0	12.6	18.6	22.3	3.5	11.4	0.2	2.7	628	49	973	4.4	219	50	0.00
SWB	96	27MAR94:10:32	-1.8	-0.6	0.1	0.3	0.2	1.1	2.4	0.5	1.6	-0.2	-0.8	176	88	963	0.1	119	9	0.00
SWB	97	28MAR94:00:06	-3.1	-1.9	-1.2	-1.0	-1.1	-0.2	0.7	0.5	1.7	-0.4	-3.1	63	96	967	1.5	253	8	0.00
SWB	98	28MAR94:13:44	1.9	5.8	8.7	8.4	8.1	9.6	11.1	1.2	3.8	-1.5	2.6	324	67	968	3.8	302	50	0.00
SWB	99	28MAR94:15:06	2.2	5.1	9.2	8.6	8.1	10.1	11.4	1.5	5.0	-0.9	2.6	307	64	969	2.5	279	50	0.00
SWB	100	28MAR94:19:29	-4.1	-2.2	-1.0	-1.0	-1.1	0.1	1.2	0.7	2.2	-0.4	-1.2	0	78	970	0.0	90	50	0.00
SWB	101	29MAR94:05:52	-4.7	-3.4	-2.7	-2.6	-2.6	-1.5	-0.3	0.6	1.9	-0.0	-3.7	0	94	973	0.0	90	5	0.00
SWB	102	29MAR94:20:44	-4.1	-2.6	-1.9	-1.6	-1.6	-0.8	0.2	0.6	1.8	-0.4	-2.9	0	87	980	0.8	28	8	0.00
SWB	103	29MAR94:21:57	-4.4	-4.6	-2.7	-2.7	-3.0	-1.6	-0.4	0.9	3.0	-0.6	-3.6	0	89	981	0.6	356	14	0.00
SWB	104	29MAR94:23:12	-6.6	-5.0	-4.0	-3.7	-3.8	-2.6	-1.2	0.8	2.5	-0.2	-5.5	0	92	981	0.2	37	11	0.00
SWB	105	30MAR94:03:15	-7.0	-5.5	-4.6	-4.4	-4.6	-3.4	-2.3	0.6	2.1	0.0	-5.2	0	80	982	1.5	330	50	0.00
SWB	106	30MAR94:11:21	2.2	7.2	11.0	11.5	11.5	15.3	18.9	2.4	8.1	-0.4	-1.0	761	55	986	2.8	304	50	0.00
SWB	107	30MAR94:14:14	8.9	14.1	20.3	19.2	19.0	23.3	26.2	2.8	9.2	-0.4	1.6	786	47	982	4.3	281	50	0.00
SWB	108	30MAR94:18:42	-2.6	-1.2	-0.3	0.1	0.2	2.6	6.8	1.2	3.8	1.8	-0.4	18	56	981	1.1	251	50	0.00
SWB	109	31MAR94:04:02	-11.2	-8.5	-6.6	-6.7	-6.9	-5.2	-3.3	1.0	3.4	-0.3	-8.3	0	89	977	0.0	90	14	0.00
SWB	110	31MAR94:06:23	-9.2	-7.7	-6.8	-6.1	-6.3	-4.7	-3.4	0.9	3.0	-0.2	-7.9	15	90	977	0.5	214	14	0.00
SWB	111	31MAR94:10:23	5.6	7.6	9.7	9.9	9.9	12.7	16.1	1.5	5.1	0.1	3.3	473	50	975	3.5	255	50	0.00
SWB	112	31MAR94:16:52	13.0	16.3	20.9	20.6	20.3	22.8	25.1	1.9	6.5	-1.0	7.9	320	34	971	5.8	228	50	0.00
SWB	113	01APR94:00:12	-4.7	-3.0	-2.0	-1.9	-2.0	-1.0	0.3	0.6	2.0	-0.4	-1.2	0	65	971	9.5	221	50	0.00
SWB	114	01APR94:02:26	-7.8	-5.5	-4.1	-4.3	-4.6	-3.0	-1.9	0.8	2.5	0.0	-5.6	0	90	971	0.0	90	14	0.00
SWB	115	01APR94:04:07	-7.2	-5.8	-5.0	-4.7	-4.6	-3.0	7.2	1.8	2.8	4.1	-6.5	0	89	971	0.9	55	13	0.00
SWB	116	01APR94:23:15	-4.0	-2.7	-1.9	-1.9	-2.0	-1.0	0.2	0.5	1.8	0.2	-0.6	0	47	973	1.2	136	50	0.00
SWB	117	02APR94:01:05	-3.6	-2.4	-1.6	-1.6	-1.8	-0.8	0.1	0.5	1.6	0.3	-0.8	0	51	972	1.6	115	50	0.00
SWB	118	02APR94:20:37	-3.7	-2.4	-1.9	-1.8	-1.9	-1.0	-0.1	0.5	1.5	0.3	-2.1	0	67	968	6.0	317	50	0.00

GRAYLING II, BARE SOIL (SANDY) FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	29	11MAR96:01:39	-10.3	-8.0	-6.9	-5.8	-5.3	-2.0	14.5	2.3	6.0	1.6	-7.9	0	78	983	0.8	355	50	0.0*
SWB	31	11MAR96:13:35	-1.4	1.4	7.5	6.5	6.3	10.6	14.5	2.9	9.2	-0.2	.	.	.	.	.	.	.	.
SWB	32	11MAR96:19:09	-8.0	-5.3	-1.2	-1.8	-2.3	-0.4	0.6	1.5	4.9	-1.1	-3.2	0	72	986	0.0	90	50	0.00
SWB	33	12MAR96:02:16	-11.0	-8.9	-4.4	-5.5	-5.8	-3.4	-2.0	1.8	5.5	-0.6	-10.4	0	87	986	0.5	45	50	0.00
SWB	34	12MAR96:04:25	-8.4	-6.3	-3.6	-3.7	-4.1	-2.4	-1.4	1.2	3.8	-0.5	-7.9	0	86	986	0.4	220	50	0.00
SWB	35	12MAR96:09:41	-2.7	-1.4	-0.2	-0.3	-0.4	0.7	1.4	0.6	2.1	-0.3	-2.5	124	66	983	1.0	174	50	0.00
SWB	36	12MAR96:10:29	-1.6	-0.6	-0.1	0.2	0.1	0.8	1.7	0.4	1.4	-0.4	-0.7	2	92	979	0.8	291	3	0.00
SWB	37	13MAR96:00:25	-4.1	-3.0	-2.4	-2.2	-2.3	-1.4	-0.4	0.5	1.6	-0.8	-2.6	0	92	979	0.6	283	2	0.00
SWB	38	13MAR96:02:25	-7.2	-5.6	-4.9	-4.6	-4.6	-2.9	-1.0	0.8	2.8	0.4	-5.0	0	91	978	0.8	90	2	0.00
SWB	39	13MAR96:14:46	1.0	2.6	6.4	6.6	6.4	9.6	14.9	2.2	7.0	-0.2	2.8	561	58	974	0.8	194	50	0.00
SWB	40	13MAR96:16:47	-5.0	-2.9	-0.8	-0.8	-1.1	0.2	1.2	0.9	3.1	-1.8	-2.5	0	83	974	0.0	90	50	0.00
SWB	41	14MAR96:05:15	-10.1	-6.7	-3.3	-4.0	-4.3	-2.2	-0.7	1.6	4.6	-0.6	.	.	.	.	.	.	.	.
SWB	42	14MAR96:14:34	-1.0	0.2	0.8	1.0	0.8	1.8	2.7	0.5	1.6	0.1	-0.5	118	89	958	3.3	217	12	0.00
SWB	43	14MAR96:18:01	-1.0	0.3	1.1	1.2	1.1	1.9	2.7	0.5	1.6	-0.2	0.6	14	89	956	1.6	232	9	0.00
SWB	44	14MAR96:19:43	-2.2	-0.8	0.1	0.1	-0.1	0.8	1.7	0.5	1.6	-0.3	0.1	0	90	956	1.6	214	50	0.00
SWB	46	15MAR96:06:58	-2.6	-0.7	0.1	0.2	0.1	1.1	2.0	0.5	1.8	-0.1	-0.1	0	96	956	1.0	274	.	0.00
SWB	47	15MAR96:09:48	-2.3	-0.8	0.1	0.1	-0.1	1.0	1.9	0.6	1.8	-0.3	-2.1	134	81	958	4.8	344	.	0.00
SWB	48	15MAR96:13:09	-4.3	-2.0	1.0	0.8	0.5	1.9	5.8	1.2	3.9	-1.3	-3.1	483	66	962	4.2	324	.	0.00
SWB	49	16MAR96:03:14	-15.4	-13.1	-11.8	-11.8	-11.2	-9.4	-8.8	1.2	3.7	-0.6	-12.6	0	61	970	4.7	0	50	0.00
SWB	50	16MAR96:13:52	1.1	4.7	8.0	8.1	8.0	10.7	13.1	1.8	6.1	-0.5	-9.4	728	44	973	4.3	349	50	0.00
SWB	51	16MAR96:17:02	-7.7	-5.7	6.6	5.6	4.3	8.4	11.6	5.8	12.1	-1.2	-8.6	248	48	973	5.8	354	50	0.00
SWB	52	16MAR96:16:21	-11.6	-8.5	-2.2	-3.5	-3.7	0.1	2.6	2.7	8.6	-0.5	-10.0	19	47	974	6.1	321	50	0.00
SWB	53	17MAR96:00:05	-7.2	-5.0	-4.4	-1.0	0.0	10.9	70.8	5.7	15.9	2.3	-11.2	406	61	973	1.0	350	50	0.00
SWB	54	17MAR96:10:12	-6.1	-2.7	4.0	4.1	4.0	9.4	13.6	3.7	12.2	-0.5	-8.0	535	42	973	1.5	295	50	0.00
SWB	55	17MAR96:14:19	-0.7	1.1	6.8	6.2	5.8	9.3	17.0	2.6	8.3	-0.5	-2.4	558	38	969	1.7	229	50	0.00
SWB	56	17MAR96:17:02	-3.1	-1.6	-0.4	-0.4	-0.6	0.5	1.3	0.7	2.1	-0.5	-2.5	78	39	966	0.8	259	50	0.00
SWB	57	18MAR96:07:55	-7.9	-6.0	-5.3	-5.0	-5.2	-4.1	-3.4	0.6	1.8	-0.2	-6.5	7	92	955	2.3	54	0	0.00
SWB	58	18MAR96:10:16	-6.4	-5.0	-4.3	-4.1	-4.1	-3.1	-2.0	0.6	1.9	-0.4	6.5	18	73	962	5.2	332	50	0.00
SWB	60	18MAR96:20:52	-13.3	-11.8	-10.7	-10.5	-10.7	-9.1	-7.7	0.8	2.7	0.8	-6.4	0	85	964	1.6	317	50	0.00
SWB	61	19MAR96:02:37	-22.1	-19.2	-17.9	-17.2	-17.5	-16.0	-9.6	1.4	6.4	0.9	-15.8	0	76	967	0.0	90	50	0.00
SWB	62	19MAR96:03:24	-23.5	-21.0	-19.4	-18.9	-19.2	-16.3	-11.2	1.5	6.6	0.9	-17.0	0	79	967	0.0	90	50	0.00
SWB	63	19MAR96:16:13	-1.9	0.3	1.7	1.8	1.7	3.2	9.3	1.0	2.9	1.3	1.2	437	38	968	4.0	323	50	0.00
SWB	64	19MAR96:17:39	-4.0	-2.0	-1.2	-0.6	-0.6	2.4	7.5	1.4	4.4	1.5	0.3	84	60	968	3.1	300	50	0.00
SWB	65	20MAR96:01:10	-18.9	-16.5	-15.4	-14.4	-13.8	-8.7	-5.2	2.5	7.8	0.7	-16.7	0	86	971	1.0	12	50	0.00
SWB	67	20MAR96:17:25	1.1	2.2	2.7	3.2	3.3	5.2	7.3	1.0	3.0	0.6	6.5	113	34	968	2.0	157	50	0.00
SWB	68	20MAR96:22:07	-2.3	-0.8	0.1	0.1	-0.1	1.0	2.0	0.6	1.8	-0.1	-0.1	0	60	967	1.6	157	50	0.00
SWB	69	21MAR96:04:39	-1.8	-0.6	-0.1	0.2	0.1	1.0	2.0	0.5	1.5	-0.1	-0.9	0	84	968	1.4	138	6	0.00
SWB	70	21MAR96:06:51	-2.0	-0.7	0.1	0.1	-0.1	0.8	1.8	0.5	1.5	-0.1	-1.1	1	94	956	1.1	61	2	6.00
SWB	71	21MAR96:22:13	-6.1	-4.3	-1.9	-2.2	-2.4	-1.0	0.5	1.0	3.3	-0.7	-3.8	0	95	964	0.4	199	5	0.00
SWB	72	21MAR96:23:25	-6.0	-4.0	-1.9	-2.0	-2.3	-0.7	0.3	1.0	3.3	-0.5	-3.2	0	92	965	0.5	190	42	0.00

GRAYLING II, BARE SOIL (SANDY) FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	119	02APR94:22:20	-5.2	-4.7	-4.4	-4.3	-4.4	-3.9	-3.3	0.3	0.8	-0.3	-3.9	0	72	969	5.8	339	50	0.00
LWB	120	02APR94:23:40	-5.9	-5.4	-5.1	-4.9	-5.0	-4.4	-3.8	0.3	1.0	0.4	-4.4	0	75	970	4.2	315	50	0.00
LWB	121	03APR94:05:17	-7.7	-7.0	-6.7	-6.6	-6.7	-6.1	-5.4	0.3	0.9	0.2	-6.2	0	88	972	1.6	319	5	0.00
LWB	122	03APR94:14:07	6.7	8.6	9.9	10.7	10.8	13.7	17.3	1.6	5.1	0.5	3.1	778	35	972	3.2	294	50	0.00
LWB	123	03APR94:18:38	-3.5	-2.5	-1.8	-1.7	-1.8	-1.0	-0.1	0.4	1.4	0.1	2.4	26	34	972	1.8	292	50	0.00
LWB	124	03APR94:19:22	-6.4	-5.4	-4.4	-4.3	-4.5	-3.4	-2.5	0.6	1.9	-0.1	0.1	0	56	972	0.9	261	50	0.00
LWB	125	04APR94:02:48	-12.2	-11.2	-10.3	-10.3	-10.3	-9.1	-7.5	0.6	2.1	0.3	-6.5	0	75	971	0.8	219	50	0.00
LWB	126	04APR94:08:58	-6.1	-5.6	-5.3	-5.2	-5.3	-4.7	-4.3	0.2	0.8	0.6	-5.7	25	85	971	1.3	282	50	0.00
LWB	127	04APR94:09:54	4.4	5.4	5.8	6.0	6.0	7.0	7.7	0.5	1.7	0.5	4.5	241	44	970	2.5	213	50	0.00
LWB	128	04APR94:13:26	6.8	7.8	8.2	8.2	8.1	8.5	8.9	0.2	0.7	-0.5	8.3	115	34	967	5.1	219	50	0.00
LWB	129	05APR94:03:05	-4.4	-3.7	-3.4	-3.3	-3.4	-2.9	-2.4	0.3	0.8	0.1	-3.4	0	93	967	.	.	3	0.00
LWB	130	05APR94:13:28	-3.1	-2.5	-2.3	-2.1	-2.2	-1.7	-1.3	0.2	0.8	-0.3	-2.8	326	81	972	3.2	350	50	0.00
LWB	131	05APR94:17:45	-4.7	-4.3	-3.8	-3.8	-3.9	-3.3	-2.9	0.3	0.9	0.3	-2.8	90	73	973	2.4	356	99	0.00
LWB	132	05APR94:18:20	-5.0	-4.4	-4.1	-3.9	-4.0	-3.4	-2.6	0.3	0.9	0.2	-3.1	43	75	973	1.9	7	50	0.00
LWB	133	06APR94:09:19	-3.3	-2.2	-1.6	-1.5	-1.6	-0.7	0.3	0.5	1.5	0.4	-3.9	607	67	976	1.9	63	50	0.00
LWB	134	06APR94:10:59	-3.0	-2.2	-1.7	-1.6	-1.6	-0.8	1.3	0.4	1.4	0.2	-2.3	693	60	976	4.5	35	50	0.00
LWB	135	06APR94:14:24	-0.2	1.8	3.2	3.8	3.9	6.0	9.6	1.5	5.0	0.6	-0.3	667	47	974	3.2	31	50	0.00
LWB	136	06APR94:17:35	-2.0	-1.6	-1.3	-1.0	-1.0	-0.1	1.1	0.5	1.5	0.4	-0.9	179	45	974	3.0	31	50	0.00
LWB	137	07APR94:07:42	-4.7	-3.7	-3.1	-3.0	-3.1	-2.3	-1.6	0.4	1.5	0.1	-7.2	310	69	982	0.7	298	50	0.00
LWB	138	07APR94:10:21	-1.3	0.1	2.0	1.8	1.6	3.3	5.7	1.0	3.2	0.1	5.9	101	24	983	1.4	2	50	0.00
LWB	139	07APR94:19:24	-9.2	-8.1	-6.6	-6.5	-6.4	-4.7	-0.7	1.0	3.3	0.7	0.5	0	52	983	0.2	307	50	0.00
LWB	140	07APR94:20:17	-10.9	-9.6	-8.3	-8.1	-8.2	-6.6	-4.9	0.9	3.0	-0.0	-4.4	0	78	984	0.7	26	50	0.00
LWB	143	13APR94:13:56	6.0	6.6	6.9	7.0	6.9	7.3	7.7	0.2	0.7	-0.3	6.4	67	90	957	1.6	269	32	0.00
LWB	144	13APR94:14:36	4.4	4.9	5.1	5.2	5.1	5.5	5.9	0.2	0.7	-0.4	5.4	49	91	957	2.7	255	50	0.00
LWB	145	14APR94:02:05	3.3	4.0	4.2	4.2	4.2	4.6	4.9	0.2	0.6	0.5	4.7	0	90	960	1.3	259	8	0.00
LWB	146	14APR94:05:42	0.8	1.3	1.6	1.7	1.6	2.1	2.4	0.2	0.6	-0.0	4.4	0	91	961	1.6	236	6	0.00
LWB	148	14APR94:14:33	19.9	21.0	22.0	22.4	22.4	24.0	25.9	0.9	3.0	0.2	19.1	434	31	964	1.9	344	50	0.00
LWB	149	15APR94:02:35	5.9	6.6	7.0	7.0	6.9	7.4	8.0	0.3	0.9	0.5	8.9	0	73	964	1.1	165	50	0.00
LWB	170	15APR94:08:24	9.3	9.8	10.0	10.1	10.0	10.4	10.8	0.2	0.6	0.3	10.5	5	88	960	2.8	136	11	0.00
LWB	171	15APR94:08:17	9.5	10.1	10.3	10.4	10.4	10.8	11.2	0.2	0.8	-0.2	11.4	6	79	959	2.9	108	17	0.00
LWB	172	15APR94:14:16	12.4	12.8	12.9	13.0	12.9	13.3	13.5	0.2	0.5	0.5	13.0	55	94	954	3.7	195	10	0.00

GRAYLING II, GRASS FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	72	21MAR94:23:29	-10.8	-9.2	-7.6	-7.2	-7.4	-6.0	-5.1	0.9	3.2	-1.0	-3.4	0	92	965	0.0	90	14	0.00
LWB	73	22MAR94:03:36	-11.8	-9.5	-8.4	-8.4	-8.5	-7.4	-6.2	0.7	2.2	-0.3	-7.2	0	92	965	0.0	90	50	0.00
LWB	74	22MAR94:13:51	0.5	3.7	8.5	8.1	7.5	10.1	11.2	1.9	6.2	-0.8	10.4	730	36	964	6.9	242	50	0.00
LWB	75	22MAR94:14:15	8.2	4.9	11.0	10.8	9.4	11.9	14.6	2.2	7.0	-1.2	11.8	696	34	962	5.1	223	50	0.00
LWB	76	22MAR94:20:38	-2.5	-0.7	0.4	0.5	0.3	1.3	2.9	0.6	2.0	-0.4	6.2	0	56	962	1.1	220	50	0.00
LWB	77	23MAR94:14:20	6.2	9.4	11.8	11.2	11.0	12.7	14.8	1.1	3.3	-0.1	8.9	480	42	965	2.2	76	50	0.00
LWB	78	23MAR94:19:06	1.1	1.8	2.4	2.5	2.4	3.1	3.7	0.4	1.3	-0.4	4.0	0	52	965	2.2	73	50	0.00
LWB	80	23MAR94:22:10	-1.4	-0.9	-0.7	-0.6	-0.7	-0.2	0.2	0.2	0.7	0.5	0.7	0	76	965	1.5	57	50	0.00
LWB	81	24MAR94:09:11	-0.2	0.4	0.6	0.6	0.5	1.0	1.3	0.2	0.6	0.7	0.9	37	93	957	1.9	267	6	0.00
LWB	82	24MAR94:14:47	-0.9	-0.4	0.0	0.1	0.0	0.5	0.9	0.3	0.9	-0.6	-0.3	204	80	962	4.6	256	8	0.00
LWB	83	24MAR94:21:54	-6.6	-6.1	-5.9	-5.8	-5.8	-5.4	-4.8	0.2	0.8	-0.1	-5.1	0	72	972	4.6	316	50	0.00
LWB	84	24MAR94:22:06	-6.8	-6.3	-6.1	-5.9	-6.0	-5.6	-4.9	0.3	0.9	0.8	-5.2	0	73	972	3.4	307	50	0.00
LWB	85	25MAR94:06:47	-7.9	-7.3	-6.9	-6.8	-6.9	-6.5	-5.6	0.3	1.0	0.2	-6.7	7	78	976	4.3	325	50	0.00
LWB	86	25MAR94:09:15	-3.5	-1.6	-0.7	-0.8	-0.9	0.2	1.8	0.6	1.8	0.2	-5.5	442	63	977	4.6	337	50	0.00
LWB	87	25MAR94:20:25	-10.6	-9.4	-8.0	-8.3	-8.5	-7.0	-5.7	0.7	2.4	0.2	-3.4	0	56	970	1.2	357	50	0.00
LWB	88	25MAR94:23:43	-13.6	-12.6	-11.4	-11.4	-11.6	-10.2	-8.6	0.7	2.5	0.3	-8.8	0	85	970	0.0	90	50	0.00
LWB	89	26MAR94:07:52	-6.7	-5.7	-5.3	-5.2	-5.3	-4.6	-4.0	0.3	1.0	0.1	-5.3	79	75	977	0.5	170	50	0.00
LWB	90	26MAR94:10:51	3.9	5.5	6.7	6.9	6.8	8.1	9.5	0.8	2.6	-0.1	2.8	649	49	975	4.4	284	50	0.00
LWB	96	27MAR94:10:46	-1.6	-1.2	-0.9	-0.9	-0.9	-0.3	0.5	0.3	0.9	0.0	-0.8	282	87	983	0.7	126	13	0.00
LWB	97	28MAR94:08:07	-4.1	-3.5	-3.3	-3.2	-3.3	-2.9	-2.7	0.2	0.6	-0.6	-3.1	44	96	967	1.8	259	0	0.00
LWB	99	28MAR94:15:22	2.5	3.3	3.9	3.9	3.8	4.4	5.0	0.3	1.1	-0.4	2.3	162	66	969	3.7	299	50	0.00
LWB	100	28MAR94:19:34	-8.4	-7.2	-6.2	-6.0	-6.1	-5.0	-3.6	0.7	2.2	-0.0	-1.7	0	81	978	0.0	90	50	0.00
LWB	101	29MAR94:05:51	-7.3	-6.6	-6.1	-6.0	-6.1	-5.5	-4.8	0.3	1.1	0.0	-3.7	0	94	973	0.0	90	5	0.00
LWB	102	29MAR94:20:57	-8.5	-7.5	-6.6	-6.4	-6.5	-5.6	-4.6	0.6	1.9	-0.3	-3.1	0	88	980	0.7	11	10	0.00
LWB	103	29MAR94:21:59	-9.9	-8.8	-7.6	-7.5	-7.7	-6.5	-5.8	0.8	2.5	-0.0	-3.6	0	98	981	0.6	1	14	0.00
LWB	104	29MAR94:23:11	-10.8	-9.6	-8.3	-8.4	-8.5	-7.3	-6.1	0.7	2.4	0.2	-5.5	0	92	981	0.5	37	11	0.00
LWB	105	30MAR94:05:26	-10.3	-9.1	-8.6	-8.4	-8.5	-7.5	-6.1	0.5	1.7	0.7	-5.6	0	81	982	1.0	326	50	0.00
LWB	106	30MAR94:11:20	1.4	2.9	4.4	4.4	4.3	6.0	8.0	0.9	3.1	0.2	-1.0	759	54	984	4.3	304	50	0.00
LWB	107	30MAR94:14:21	2.2	3.0	3.7	4.1	4.1	5.5	7.7	0.8	2.5	0.5	1.9	505	47	982	3.0	281	50	0.00
LWB	108	30MAR94:18:43	-5.1	-4.3	-3.8	-3.7	-3.9	-3.3	-2.9	0.3	1.0	0.1	-0.4	14	56	981	2.0	266	50	0.00
LWB	109	31MAR94:06:14	-15.5	-12.3	-11.0	-11.1	-11.2	-10.0	-8.6	0.7	2.2	0.1	-8.5	0	90	977	0.0	90	14	0.00
LWB	110	31MAR94:06:29	-12.2	-11.2	-10.4	-10.3	-10.4	-9.5	-8.4	0.5	1.7	-0.1	-8.0	8	90	977	0.5	212	14	0.00
LWB	111	31MAR94:10:29	5.8	6.8	7.5	7.7	7.6	8.5	9.2	0.5	1.7	-0.2	3.4	631	49	975	3.3	254	50	0.00
LWB	112	31MAR94:16:56	6.8	7.4	7.7	7.8	7.7	8.3	8.8	0.3	0.9	0.1	7.8	266	34	971	3.2	263	50	0.00
LWB	113	01APR94:00:07	-7.9	-7.0	-6.2	-6.1	-6.2	-5.2	-4.1	0.5	1.8	0.3	-1.1	0	66	971	0.9	280	50	0.00
LWB	114	01APR94:02:27	-10.9	-9.7	-8.7	-8.6	-8.7	-7.5	-5.9	0.7	2.3	0.4	-5.6	0	90	971	0.0	90	15	0.00
LWB	115	01APR94:04:22	-11.0	-9.6	-8.6	-8.7	-8.8	-7.7	-6.5	0.6	2.0	0.4	-6.1	0	86	971	0.5	24	15	0.00
LWB	116	01APR94:23:10	-5.5	-4.7	-4.1	-4.0	-4.1	-3.3	-2.5	0.4	1.5	0.2	-0.5	0	47	973	1.3	131	50	0.00
LWB	117	02APR94:01:07	-4.6	-3.8	-3.3	-3.3	-3.3	-2.7	-2.4	0.3	1.1	-0.1	-0.8	0	51	972	1.0	106	55	0.00
LWB	118	02APR94:20:35	-4.9	-4.3	-3.8	-3.8	-3.9	-3.3	-2.8	0.3	0.9	-0.2	-2.0	0	66	968	7.8	311	50	0.00

GRAYLING II, GRASS FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	29	11MAR96:01:38	-13.5	-12.5	-11.6	-11.4	-11.6	-10.3	-8.9	0.6	2.1	0.2	-7.9	0	78	983	1.1	355	50	0.00
LWB	30	11MAR96:11:20	-1.2	-0.3	-0.2	2.2	2.1	4.7	8.1	1.6	5.0	3.2	-2.4	567	61	987	0.7	81	50	0.00
LWB	31	11MAR96:13:33	-2.1	-0.9	3.2	2.9	2.4	4.9	6.5	1.8	5.7	-0.5	.	.	.	.	.	.	.	.
LWB	32	11MAR96:19:05	-9.9	-8.8	-7.9	-7.7	-7.9	-6.6	-5.3	0.7	2.2	0.2	-3.0	0	66	986	0.0	90	[illegible]	0.00
LWB	33	12MAR96:02:41	-12.7	-11.8	-11.2	-11.0	-11.1	-10.2	-8.4	0.5	1.5	0.5	-9.8	0	88	986	0.4	53	50	0.00
LWB	34	12MAR96:04:22	-8.9	-8.3	-7.8	-7.7	-7.8	-7.5	-6.3	0.4	1.3	-0.1	-8.0	0	87	986	0.2	220	50	0.00
LWB	35	12MAR96:09:44	-4.8	-3.1	-2.2	-2.2	-2.4	-1.7	-1.2	0.4	1.4	-0.6	-2.4	126	66	985	1.9	190	50	0.00
LWB	36	12MAR96:18:27	-1.9	-1.5	-1.2	-1.1	-1.2	-0.9	-0.6	0.4	0.6	-0.6	-0.7	3	92	978	1.2	207	3	0.00
LWB	37	13MAR96:00:14	-4.6	-4.1	-3.8	-3.7	-3.8	-3.3	-3.0	0.2	0.7	0.0	-2.7	0	92	979	0.8	202	2	0.00
LWB	39	13MAR96:14:43	0.8	1.5	6.8	6.3	5.6	8.2	11.5	2.1	6.7	-0.8	3.0	508	68	974	0.9	175	50	0.00
LWB	40	13MAR96:18:50	-7.6	-6.4	-5.7	-5.6	-5.7	-4.7	-3.8	0.5	1.7	0.8	-2.7	0	84	974	0.8	90	50	0.00
LWB	41	14MAR96:05:16	-11.3	-10.2	-9.1	-9.1	-9.2	-8.2	-7.0	0.6	2.1	-0.1	.	.	.	.	.	.	.	.
LWB	42	14MAR96:14:30	-1.6	-1.2	-0.9	-0.8	-0.9	-0.4	-0.1	0.2	0.8	-0.6	-0.1	148	87	958	4.6	210	10	0.00
LWB	43	14MAR96:18:03	-1.8	-1.2	-0.7	-0.7	-0.8	-0.3	0.1	0.5	0.9	-0.9	0.5	12	89	956	2.3	262	9	0.00
LWB	44	14MAR96:19:42	-3.3	-2.6	-2.4	-2.2	-2.3	-1.8	-1.4	0.3	0.8	-0.5	0.2	0	89	956	1.6	212	50	0.00
LWB	46	15MAR96:06:37	-2.1	-1.6	-1.4	-1.3	-1.6	-0.9	-0.6	0.2	0.6	0.4	-0.1	0	94	956	3.0	260	.	0.00
LWB	47	15MAR96:09:54	-3.1	-2.5	-2.1	-2.0	-2.2	-1.6	-1.3	0.2	0.8	0.4	-2.1	153	82	958	2.7	326	.	0.50
LWB	48	15MAR96:13:18	-5.3	-4.1	-2.7	-2.8	-2.9	-1.9	-0.8	0.6	2.2	-0.7	-5.0	375	67	962	4.8	340	.	0.00
LWB	49	16MAR96:03:13	-99.8	-16.7	-15.8	-15.7	-15.9	-14.9	-13.6	0.6	1.8	-0.5	-12.6	0	61	978	4.1	352	50	0.00
LWB	50	16MAR96:13:42	-11.2	-9.9	-8.7	-7.7	-7.8	-5.7	-2.8	1.3	4.3	-0.1	-9.9	742	42	973	6.9	333	50	0.00
LWB	51	16MAR96:17:16	-12.2	-10.1	-8.9	-8.7	-8.8	-7.6	-5.8	0.8	2.8	-0.8	-8.8	225	43	973	3.5	332	50	0.00
LWB	52	16MAR96:18:17	-14.1	-13.6	-12.3	-12.2	-12.3	-11.0	-9.6	0.8	2.6	-0.7	-10.0	27	44	974	4.2	316	50	0.00
LWB	53	17MAR96:09:07	-10.4	-8.3	-6.8	-6.1	-6.5	-4.7	-1.6	1.1	3.5	-0.3	-10.9	615	69	973	1.1	349	50	0.00
LWB	54	17MAR96:10:11	-8.5	-5.5	-3.0	-2.8	-3.1	-1.2	1.7	1.5	4.3	-0.6	-6.1	532	41	973	1.5	322	50	0.00
LWB	55	17MAR96:14:20	-3.3	-2.3	1.6	1.1	0.8	4.2	6.2	2.0	6.4	-0.8	-2.3	530	38	969	1.6	250	50	0.00
LWB	56	17MAR96:17:05	-5.0	-4.2	-2.5	-2.5	-2.9	-1.9	-1.4	0.7	2.3	-0.6	-2.5	64	59	966	0.5	219	50	0.00
LWB	57	18MAR96:07:53	-8.2	-7.5	-7.3	-7.2	-7.3	-6.9	-6.6	0.2	0.6	-0.4	-6.6	7	92	955	1.8	95	8	0.00
LWB	58	18MAR96:18:17	-7.0	-6.6	-6.1	-6.0	-6.1	-5.6	-4.9	0.3	0.8	0.8	-4.5	16	75	962	4.4	335	50	0.00
LWB	59	18MAR96:19:36	-12.4	-11.7	-11.2	-11.0	-11.0	-10.1	-8.9	0.5	1.5	0.3	-5.2	0	77	963	2.5	295	50	0.00
LWB	60	18MAR96:20:48	-16.6	-15.7	-15.2	-14.6	-14.6	-12.7	-10.2	0.9	3.0	0.7	-6.4	0	85	964	1.0	3.7	40	0.00
LWB	61	19MAR96:02:56	-26.8	-25.9	-25.2	-25.1	-25.1	-24.1	-22.8	0.5	1.8	-0.1	-13.6	0	76	967	0.8	90	50	0.00
LWB	62	19MAR96:05:25	-28.1	-27.2	-26.4	-26.3	-26.4	-25.3	-21.5	0.6	1.8	0.4	-17.1	0	88	967	0.8	90	50	0.00
LWB	63	19MAR96:14:19	-6.6	-3.8	-3.3	-2.6	-2.2	0.6	8.8	1.6	6.4	2.2	1.2	418	39	960	3.7	316	50	0.00
LWB	64	19MAR96:17:49	-7.8	-6.7	-6.1	-5.9	-5.9	-4.6	-3.3	0.6	2.1	0.7	0.1	118	61	969	3.9	298	50	0.00
LWB	65	20MAR96:01:11	-21.4	-20.2	-19.6	-19.1	-19.3	-17.9	-15.7	0.7	2.3	0.5	-16.7	0	84	971	0.9	12	50	0.00
LWB	67	20MAR96:17:19	-0.2	0.8	2.2	2.2	2.2	3.7	4.7	0.9	2.9	0.0	6.6	120	33	968	2.1	140	40	0.00
LWB	68	20MAR96:22:12	-2.8	-2.1	-1.6	-1.6	-1.7	-1.1	-0.8	0.3	1.0	0.2	-0.1	0	60	967	2.3	114	50	0.00
LWB	69	21MAR96:06:45	-2.5	-1.9	-1.6	-1.6	-1.7	-1.3	-1.1	0.2	0.6	0.5	-1.0	0	36	969	1.8	123	3	0.00
LWB	70	21MAR96:06:53	-2.5	-1.8	-1.6	-1.6	-1.6	-1.3	-0.9	0.2	0.6	0.5	-1.1	1	94	956	1.9	63	2	0.00
LWB	71	21MAR96:22:15	-10.4	-8.3	-6.7	-6.8	-7.0	-5.8	-4.9	0.8	2.6	-0.6	-5.7	0	95	964	0.4	200	5	0.00

GRAYLING II, GRASS FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (MI)	PRECIPITATION (IN/HR)
SWB	119	02APR94:22:28	-5.0	-3.7	-3.0	-3.0	-3.1	-2.2	-1.4	0.5	1.5	0.3	-3.9	0	72	969	5.0	330	50	0.00
SWB	120	02APR94:23:13	-5.5	-4.3	-3.7	-3.4	-3.6	-2.6	-1.6	0.5	1.7	-0.2	-4.6	0	76	969	1.4	337	50	0.00
SWB	121	03APR94:05:17	-7.4	-6.1	-5.5	-5.3	-5.5	-4.4	-3.4	0.5	1.7	0.2	-6.2	0	88	972	1.6	319	5	0.00
SWB	122	03APR94:14:07	14.2	16.9	18.7	18.8	18.7	20.7	23.4	1.1	3.7	-0.0	5.1	778	35	972	3.2	294	50	0.00
SWB	123	03APR94:18:38	-1.9	-0.2	0.7	0.8	0.7	1.7	2.7	0.6	1.9	-0.3	2.4	26	34	972	1.8	282	50	0.00
SWB	124	03APR94:19:22	-5.5	-3.8	-2.7	-2.6	-2.7	-1.5	-0.1	0.7	2.4	-0.2	0.1	0	56	972	0.9	263	50	0.00
SWB	125	04APR94:02:48	-11.0	-8.9	-7.7	-7.7	-7.9	-6.6	-4.9	0.7	2.3	0.0	-6.5	0	75	971	0.8	239	50	0.00
SWB	126	04APR94:06:58	-5.2	6.8	-5.3	-5.1	-5.3	-2.5	-1.1	0.5	1.7	0.0	-5.7	25	85	971	1.2	282	50	0.00
SWB	127	04APR94:09:54	5.7	7.1	7.8	8.0	7.9	8.8	9.9	0.5	1.7	-0.1	4.5	241	46	970	2.5	213	50	0.00
SWB	128	04APR94:13:26	6.5	7.8	8.4	8.5	8.4	9.2	9.8	0.4	1.4	-0.0	8.3	115	36	967	5.1	219	50	0.00
SWB	129	05APR94:03:05	-4.1	-2.9	-2.8	-2.8	-2.2	-1.1	-0.2	0.5	1.8	0.2	-3.4	0	93	967	.	.	3	0.00
SWB	130	05APR94:13:28	-2.6	-1.5	-0.6	-0.6	-0.7	0.3	1.2	0.5	1.8	-0.1	-2.8	326	81	972	3.2	359	50	0.00
SWB	131	05APR94:17:45	-4.4	-3.0	-2.3	-2.2	-2.3	-1.2	-0.2	0.5	1.8	0.3	-2.8	99	73	973	2.6	356	50	0.00
SWB	132	05APR94:18:28	-4.4	-3.4	-2.9	-2.6	-2.7	-1.6	-0.8	0.5	1.8	0.2	-3.1	43	75	973	1.9	7	50	0.00
SWB	133	06APR94:09:19	1.2	3.1	4.1	4.5	4.4	6.0	8.6	0.9	3.0	0.1	-3.9	667	67	976	1.9	.	50	0.00
SWB	134	06APR94:10:59	0.2	1.7	2.6	2.6	2.5	3.6	5.0	0.6	1.8	-0.3	-2.3	695	60	976	4.5	35	50	0.00
SWB	135	06APR94:14:26	4.8	7.5	10.1	10.8	10.8	14.3	17.2	2.0	6.8	-0.0	-0.3	667	47	974	5.2	31	50	0.00
SWB	136	06APR94:17:35	0.1	1.4	2.3	2.4	2.3	3.6	4.5	0.6	2.0	0.7	-0.9	179	45	974	3.8	31	20	0.00
SWB	137	07APR94:07:42	-0.1	2.7	4.4	4.3	4.1	5.5	6.7	0.8	2.8	-0.4	-7.2	310	69	992	0.7	298	50	0.00
SWB	138	07APR94:10:21	-0.2	1.9	7.8	6.2	5.6	8.9	11.8	2.4	6.9	-0.4	5.9	101	34	983	1.-	2	50	0.00
SWB	139	07APR94:19:26	-7.0	-5.5	-4.1	-5.8	-4.8	-2.6	-0.3	0.9	2.9	0.0	0.5	0	52	983	0.2	307	50	0.00
SWB	140	07APR94:20:17	-9.1	-6.9	-5.5	-5.5	-5.6	-4.0	-2.2	0.9	2.9	0.0	-4.4	0	78	984	0.7	36	50	0.00
SWB	143	13APR94:13:56	5.7	6.8	7.4	7.5	7.4	8.2	9.8	0.4	1.4	-0.1	6.4	67	90	957	1.6	260	32	0.00
SWB	144	13APR94:14:36	5.1	6.3	6.9	7.0	6.9	7.7	8.9	0.5	1.4	-0.1	5.6	49	91	957	2.7	295	50	0.00
SWB	145	14APR94:02:05	3.5	4.5	5.1	5.2	5.1	5.8	6.6	0.4	1.3	-0.0	4.7	0	90	960	1.3	239	8	0.00
SWB	146	14APR94:05:42	2.0	3.0	3.7	3.8	3.7	4.6	5.2	0.4	1.5	-0.1	4.6	0	91	961	1.6	246	6	0.00
SWB	148	14APR94:14:33	25.0	25.8	26.6	26.8	26.8	28.0	29.4	0.7	2.1	0.4	19.1	434	31	966	1.9	266	50	0.00
SWB	149	15APR94:02:33	6.5	7.5	8.1	8.2	8.1	8.8	9.4	0.4	1.3	-0.1	8.9	0	73	966	1.1	148	50	0.00
SWB	170	15APR94:06:2-	9.6	10.7	11.2	11.4	11.3	11.9	12.4	0.3	1.2	-0.4	10.5	5	88	960	2.0	136	11	0.00
SWB	171	15APR94:08:17	10.2	11.0	11.5	11.6	11.5	12.2	12.8	0.4	1.2	-0.2	11.4	6	79	959	2.9	108	17	0.00
SWB	172	15APR94:14:16	12.2	12.9	13.4	13.5	13.4	14.0	14.6	0.3	1.1	-0.3	13.0	55	94	954	3.7	193	10	0.00

GRAYLING II, GRASS FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M**2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	72	21MAR96:23:29	-7.9	-6.8	-6.4	-6.6	-6.6	-2.9	-1.5	0.9	3.1	-0.1	-5.4	0	92	946	0.0	90	14	0.00
SWB	73	22MAR96:03:36	-9.4	-6.9	-5.6	-5.5	-5.6	-4.0	-1.9	0.9	2.9	-0.0	-7.2	0	92	965	0.0	90	50	0.00
SWB	74	22MAR96:11:57	6.6	9.4	14.4	13.8	13.4	16.6	18.7	2.1	7.1	-0.5	10.4	736	34	964	6.9	242	50	0.00
SWB	75	22MAR96:14:15	7.0	10.9	15.5	15.2	14.9	18.0	19.6	2.1	7.1	-0.7	11.8	696	34	962	5.1	225	50	0.00
SWB	76	22MAR96:20:3.	1.7	3.9	3.8	3.9	3.8	4.8	6.0	0.5	1.8	-0.0	6.2	0	56	962	1.1	220	50	0.00
SWB	77	23MAR96:14:20	8.8	11.9	14.7	14.1	13.9	15.5	16.9	1.2	3.6	-0.4	8.9	480	42	965	2.2	76	50	0.00
SWB	78	23MAR96:19:06	1.7	3.0	3.8	3.8	3.7	4.7	5.6	0.5	1.7	0.1	6.9	0	52	965	2.2	75	50	0.00
SWB	80	23MAR96:22:10	-0.7	0.3	0.8	1.1	1.0	1.8	2.6	0.5	1.5	-0.3	0.7	0	74	965	1.5	57	50	0.00
SWB	81	24MAR96:09:11	0.1	1.4	2.0	2.3	2.2	3.0	3.8	0.5	1.5	-0.5	0.9	37	95	957	1.9	267	6	0.00
SWB	82	24MAR96:14:47	-0.4	0.8	1.6	1.6	1.4	2.4	3.3	0.5	1.6	0.1	-0.3	284	88	962	4.6	256	8	0.00
SWB	83	24MAR96:21:54	-6.7	-5.3	-4.6	-4.3	-4.4	-3.4	-2.3	0.6	1.9	-0.5	-5.1	0	72	972	4.6	316	50	0.00
SWB	84	24MAR96:22:04	-6.9	-5.0	-4.3	-4.0	-4.1	-3.0	-1.5	0.6	2.0	-0.1	-5.2	0	73	972	3.4	307	50	0.00
SWB	85	25MAR96:06:47	-8.6	-6.7	-5.8	-5.6	-5.8	-4.6	-3.6	0.7	2.2	-0.0	-6.7	7	78	976	4.3	323	50	0.00
SWB	86	25MAR96:09:15	1.9	4.7	6.4	6.4	6.3	7.8	9.0	1.0	3.1	-0.3	-5.3	442	63	977	4.6	337	50	0.00
SWB	87	25MAR96:20:25	-9.2	-7.2	-6.0	-6.0	-6.1	-4.6	-3.0	0.8	2.6	0.1	-3.4	0	58	978	1.2	357	50	0.00
SWB	88	25MAR96:23:43	-12.7	-10.7	-9.1	-9.1	-9.2	-7.5	-5.5	0.9	5.1	-0.1	-8.8	0	85	978	0.0	90	50	0.00
SWB	89	26MAR96:07:52	-5.3	-4.0	-3.1	-3.1	-3.3	-2.2	-1.1	0.6	1.8	0.2	-5.3	79	75	977	0.5	178	50	0.00
SWB	90	26MAR96:10:51	7.2	11.0	12.6	12.4	12.3	13.9	15.4	0.9	2.9	-0.1	2.8	649	49	975	4.4	284	50	0.00
SWB	96	27MAR96:10:46	-1.6	-0.6	0.3	0.5	0.3	1.2	2.1	0.5	1.6	-0.2	-0.8	282	87	963	0.7	126	15	0.00
SWB	97	28MAR96:08:07	-3.3	-2.0	-1.6	-1.2	-1.6	-0.5	0.6	0.5	1.7	0.2	-3.1	44	96	967	1.8	259	0	0.00
SWB	99	28MAR96:15:22	3.2	4.3	5.1	5.2	5.1	6.0	7.0	0.5	1.6	-0.4	2.3	142	66	969	3.7	299	50	0.00
SWB	100	28MAR96:19:34	-6.6	-4.7	-4.0	-3.6	-3.7	-2.6	-1.0	0.7	2.5	-0.2	-1.7	0	81	970	0.0	90	50	0.00
SWB	101	29MAR96:05:51	-6.6	-5.2	-4.3	-4.1	-4.3	-3.1	-2.3	0.6	2.0	-0.1	-3.7	0	94	973	0.0	90	3	0.00
SWB	102	29MAR96:20:57	-7.5	-5.8	-4.6	-4.6	-4.7	-3.4	-2.2	0.7	-2.4	0.1	-3.1	0	86	980	0.7	11	10	0.00
SWB	105	29MAR96:21:59	-8.2	-6.6	-5.5	-5.3	-5.5	-4.0	-2.6	0.8	3.6	0.2	-3.6	0	90	981	0.6	1	14	0.00
SWB	104	29MAR96:23:11	-9.6	-7.5	-6.3	-6.1	-6.3	-4.7	-2.9	0.8	2.8	-0.1	-5.5	0	92	981	0.3	37	11	0.00
SWB	105	30MAR96:05:26	-8.9	-7.4	-6.4	-6.3	-6.3	-5.0	-3.7	0.7	2.3	-0.4	-5.6	0	81	982	1.0	326	50	0.00
SWB	106	30MAR96:11:28	6.2	10.8	11.3	11.7	11.6	13.5	15.2	1.1	3.5	-0.1	-1.8	759	54	986	4.3	304	50	0.00
SWB	107	30MAR96:14:21	4.9	6.4	7.3	7.4	7.4	8.6	10.4	0.7	2.2	-0.1	1.9	505	47	982	3.0	281	50	0.00
SWB	108	30MAR96:18:43	-3.8	-2.6	-1.6	-1.5	-1.6	-0.3	1.4	0.7	2.3	0.3	-0.4	16	56	989	2.0	268	50	0.00
SWB	109	31MAR96:04:14	-12.6	-10.3	-8.9	-8.9	-9.1	-7.5	-5.5	0.9	2.7	-0.0	-8.3	0	90	977	0.0	90	14	0.00
SWB	110	31MAR96:06:29	-9.0	-8.2	-7.2	-7.0	-7.2	-6.0	-4.6	0.7	2.2	-0.2	-0.0	0	90	977	6.5	212	14	0.00
SWB	111	31MAR96:10:29	8.2	11.3	12.4	12.5	12.5	13.6	15.0	0.7	2.3	-0.3	3.4	651	49	975	3.5	254	56	0.00
SWB	112	31MAR96:16:56	9.0	10.1	10.6	10.7	10.6	11.4	12.7	0.4	1.3	0.1	7.8	266	34	971	3.2	263	50	0.00
SWB	113	01APR96:00:07	-5.3	-4.1	-3.1	-3.1	-3.3	-2.2	-1.0	0.6	2.0	-0.1	-1.1	0	84	971	0.9	209	50	0.00
SWB	114	01APR96:02:27	-9.1	-7.2	-6.3	-6.1	-6.3	-4.9	-3.7	0.7	2.3	0.1	-5.6	0	90	971	0.0	90	95	0.00
SWB	115	01APR96:04:22	-8.7	-7.4	-6.4	-6.3	-6.4	-5.2	-3.7	0.7	2.2	-0.3	-6.1	0	86	971	0.5	24	85	0.00
SWB	116	01APR96:23:10	-4.0	-2.7	-2.0	-1.9	-2.0	-1.0	0.2	0.6	1.8	0.2	-0.5	0	47	973	1.3	131	50	0.00
SWB	117	02APR96:01:07	-3.6	-2.2	-1.6	-1.4	-1.6	-0.7	0..	0.5	1.5	0.3	-0.8	0	51	972	1.0	106	50	0.00
SWB	118	02APR96:20:35	-4.4	-3.0	-2.2	-2.2	-2.3	-1.5	-0.4	0.5	1.5	-0.3	-2.0	0	66	968	7.0	311	50	0.00

GRAYLING II, GRASS FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (LW/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	29	11MAR96:01:38	-12.0	-9.6	-8.7	-8.5	-8.7	-7.2	-5.2	0.8	2.5	0.2	-7.9	0	78	985	1.1	355	50	0.00
SWB	30	11MAR96:11:20	0.3	3.0	9.5	8.5	7.7	11.5	14.1	2.8	8.3	-0.6	-2.4	567	61	987	0.7	81	50	0.00
SWB	31	11MAR96:13:33	0.8	3.0	10.8	10.2	9.0	12.4	14.5	3.1	9.4	-0.9	-	-	-	-	-	-	-	-
SWB	32	11MAR96:19:05	-8.8	-6.6	-5.6	-5.5	-5.6	-4.3	-2.9	0.7	2.3	0.1	-3.8	0	66	986	0.8	90	50	0.00
SWB	33	12MAR96:02:41	-11.6	-10.1	-8.9	-8.9	-9.1	-7.7	-5.6	0.7	2.4	-0.1	-9.8	0	88	986	0.4	53	50	0.00
SWB	34	12MAR96:04:22	-7.7	-6.6	-5.8	-5.6	-5.8	-4.7	-3.6	0.6	1.8	0.1	-6.8	0	87	986	0.2	220	50	0.00
SWB	35	12MAR96:09:44	-2.6	-1.8	-0.2	-0.1	-0.2	0.7	1.6	0.5	1.7	-0.6	-2.4	126	66	988	1.9	190	50	0.00
SWB	36	12MAR96:10:27	-2.2	-0.7	-0.2	-0.1	-0.2	0.6	1.3	0.4	1.3	-0.1	-0.7	3	92	978	1.2	287	3	0.00
SWB	37	13MAR96:00:14	-4.0	-3.4	-2.9	-2.7	-2.9	-1.9	-1.0	0.5	1.5	0.4	-2.7	0	92	979	0.8	292	2	0.00
SWB	39	13MAR96:14:45	2.2	4.5	11.4	10.6	9.7	12.6	14.3	2.5	8.0	-1.0	3.0	580	60	974	0.9	175	50	0.00
SWB	40	13MAR96:18:50	-5.8	-4.3	-3.6	-3.3	-3.4	-2.2	-1.1	0.6	2.1	0.1	-2.7	0	86	974	0.8	90	50	0.00
SWB	41	14MAR96:05:16	-10.1	-7.9	-6.7	-6.6	-6.7	-5.3	-4.0	0.8	2.5	0.1	-	-	-	-	-	-	-	-
SWB	42	14MAR96:14:30	-1.1	0.1	0.6	0.8	0.7	1.7	2.5	0.5	1.6	0.1	-0.1	140	87	990	4.6	290	10	0.00
SWB	43	14MAR96:18:05	-1.2	0.5	1.1	1.2	1.1	2.0	2.9	0.5	1.6	-0.0	0.5	12	89	994	2.5	232	9	0.00
SWB	44	14MAR96:19:42	-2.3	-1.1	-0.3	-0.3	-0.4	0.5	1.3	0.5	1.5	0.0	0.2	0	89	994	1.6	212	50	0.00
SWB	46	15MAR96:06:37	-1.8	-0.6	0.1	0.2	0.1	1.0	1.8	0.5	1.5	0.0	-0.1	0	94	994	0.9	260	-	0.00
SWB	47	15MAR96:09:54	-2.0	-0.8	-0.1	0.1	-0.1	0.8	1.8	0.5	1.6	-0.4	-2.1	153	82	990	2.7	326	-	0.00
SWB	48	15MAR96:13:10	-3.0	-1.2	1.2	1.1	0.7	2.2	3.1	1.0	3.4	-0.9	-5.0	373	67	982	4.8	340	-	0.00
SWB	49	16MAR96:05:13	-16.1	-14.2	-13.3	-12.9	-13.1	-11.8	-10.1	0.8	2.4	-0.3	-12.6	0	61	970	4.1	352	50	0.00
SWB	50	16MAR96:13:42	-5.5	-2.6	-0.6	1.2	1.9	7.3	9.5	3.2	9.9	0.2	-9.9	742	42	973	6.9	333	50	0.00
SWB	51	16MAR96:17:16	-6.7	-1.0	4.4	4.1	3.5	5.5	7.3	1.9	6.5	-2.0	-6.8	225	43	973	3.5	332	50	0.00
SWB	52	16MAR96:18:17	-12.7	-10.5	-9.4	-9.1	-9.1	-6.6	-3.6	1.2	3.9	1.1	-10.0	27	46	976	4.2	316	50	0.00
SWB	53	17MAR96:09:07	-4.4	-0.8	2.4	2.0	1.8	3.8	6.0	1.4	4.6	-0.8	-10.9	415	62	973	1.1	349	50	0.00
SWB	54	17MAR96:10:11	-2.9	1.0	5.2	5.0	4.5	6.9	9.3	1.7	5.9	-1.1	-8.1	532	41	973	1.5	322	50	0.00
SWB	55	17MAR96:14:28	-0.4	1.6	8.3	6.7	6.8	9.6	12.4	2.6	7.9	-0.5	-2.3	530	38	969	1.6	250	50	0.00
SWB	56	17MAR96:17:05	-3.6	-2.2	-1.8	-1.1	-1.2	-0.2	0.8	0.6	2.0	-0.6	-2.5	64	39	966	0.5	279	50	0.00
SWB	57	18MAR96:07:53	-7.4	-6.1	-5.5	-5.2	-5.3	-4.3	-3.5	0.6	1.8	-0.3	-6.6	7	92	955	1.8	55	0	0.00
SWB	58	18MAR96:10:17	-6.6	-5.2	-4.3	-4.3	-4.4	-3.3	-2.0	0.6	1.9	0.2	-4.5	16	73	962	4.4	335	50	0.00
SWB	59	18MAR96:19:36	-11.2	-9.6	-8.5	-8.4	-8.5	-7.2	-5.3	0.7	2.4	0.2	-5.2	0	.7	963	2.5	295	50	0.00
SWB	60	18MAR96:20:48	-14.4	-12.6	-11.2	-11.2	-11.4	-9.6	-6.1	0.9	3.0	0.5	-6.4	0	85	964	1.9	317	49	0.00
SWB	61	19MAR96:02:36	-23.2	-21.0	-19.4	-19.6	-19.7	-17.7	-15.4	1.0	3.3	0.2	-13.6	0	76	967	0.8	90	50	0.00
SWB	62	19MAR96:05:25	-25.4	-22.4	-20.7	-20.7	-21.0	-18.9	-16.3	1.0	3.4	0.1	-17.1	0	88	967	0.0	90	50	0.00
SWB	63	19MAR96:16:19	-0.1	1.3	2.2	2.7	3.1	6.0	10.5	1.0	4.7	2.4	1.2	418	39	968	3.7	316	50	0.00
SWB	64	19MAR96:17:49	-4.9	-3.1	-2.4	-2.0	-2.0	-0.5	1.8	0.9	2.8	0.5	0.1	116	61	969	3.9	298	50	0.00
SWB	65	20MAR96:01:11	-19.2	-16.1	-15.0	-14.6	-14.8	-13.1	-10.5	1.0	2.9	-0.2	-16.7	0	84	971	0.9	12	50	0.00
SWB	67	20MAR96:17:19	1.6	2.7	4.0	4.2	4.1	5.6	7.1	0.9	2.9	-0.1	4.6	120	33	968	2.1	140	50	0.00
SWB	68	20MAR96:22:12	-1.6	-0.6	0.2	0.3	0.2	1.2	2.0	0.5	1.6	0.2	-0.1	8	60	967	2.3	114	50	0.00
SWB	69	21MAR96:04:45	-2.0	-0.8	-0.2	-0.1	-0.2	0.8	1.7	0.5	1.6	0.1	-1.0	0	86	968	1.0	125	3	0.00
SWB	70	21MAR96:06:53	-2.2	-0.8	-0.2	-0.1	-0.2	0.7	1.6	0.5	1.5	-0.4	-1.1	1	94	958	1.9	65	2	0.00
SWB	71	21MAR96:22:15	-7.7	-5.8	-4.4	-4.3	-4.4	-2.9	-1.6	0.9	2.9	-0.1	-3.7	0	95	964	0.4	280	5	0.00

GRAYLING II, GRASS FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DN.)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M**2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	72	21MAR94:23:29	-12.3	-11.4	-10.7	-10.5	-10.3	-7.7	-5.5	1.2	4.2	1.7	-3.4	0	92	965	0.4	90	14	0.00
LWB	73	22MAR94:05:36	-15.0	-13.6	-12.8	-12.4	-12.0	-8.7	-6.4	1.5	4.9	1.8	-7.2	0	92	965	0.0	90	50	0.00
LWB	74	22MAR94:11:50	0.4	1.0	1.4	1.6	1.8	4.2	9.8	1.1	3.2	2.8	10.4	737	35	964	4.8	264	50	0.00
LWB	75	23MAR94:14:15	-2.4	0.8	1.6	1.8	1.9	4.7	10.1	1.4	4.7	1.8	11.8	696	36	962	5.1	283	50	0.00
LWB	76	23MAR94:20:36	-2.8	-2.1	-1.6	-1.4	-1.4	-0.2	1.9	0.6	1.8	1.1	6.2	0	56	962	1.1	288	50	0.00
LWB	77	23MAR94:14:28	0.8	0.9	1.3	2.0	2.2	7.7	11.0	2.2	6.8	0.9	8.9	488	42	965	2.2	76	50	0.00
LWB	78	23MAR94:19:06	-1.5	-0.7	-0.2	0.0	0.0	1.1	2.9	0.6	1.8	0.7	6.0	0	52	965	2.2	75	50	0.00
LWB	80	23MAR94:22:10	-2.2	-1.6	-1.1	-1.0	-1.1	-0.6	0.0	0.3	1.0	-0.3	0.7	0	76	965	1.5	57	50	0.00
LWB	81	24MAR94:09:11	-2.0	-1.2	-0.9	-0.5	-0.6	0.3	0.8	0.5	1.5	0.1	0.9	37	95	957	1.9	267	6	0.00
LWB	82	24MAR94:14:47	-2.5	-1.6	-1.1	-0.9	-1.0	-0.3	0.4	0.4	1.2	0.1	-0.3	284	80	962	4.6	256	8	0.00
LWB	83	24MAR94:21:54	-6.7	-5.8	-5.6	-5.2	-5.3	-4.4	-3.6	0.5	1.5	0.4	-5.1	0	72	972	4.6	316	50	0.00
LWB	84	24MAR94:22:06	-7.2	-6.1	-5.5	-5.4	-5.5	-4.5	-3.8	0.5	1.6	0.2	-5.2	0	73	972	3.4	307	50	0.00
LWB	85	25MAR94:06:47	-8.3	-7.8	-6.4	-6.2	-6.3	-5.5	-4.7	0.5	1.5	0.0	-6.7	7	78	976	4.3	323	50	0.00
LWB	86	25MAR94:09:15	-4.5	-2.9	-1.5	-1.6	-1.7	-0.5	0.7	0.7	2.4	-0.5	-5.3	442	63	977	4.6	337	50	0.00
LWB	87	25MAR94:20:25	-9.9	-7.7	-5.9	-6.0	-6.2	-5.0	-3.0	0.8	2.7	-0.8	-5.4	0	58	978	1.2	307	50	0.00
LWB	88	25MAR94:23:43	-12.0	-11.6	-9.5	-9.4	-9.6	-7.6	-5.5	1.2	4.0	-0.1	-6.8	0	85	978	0.0	90	50	0.00
LWB	89	26MAR94:07:51	-6.9	-5.7	-5.6	-6.0	-6.9	-6.0	-2.6	0.5	1.7	-0.1	-5.3	76	74	977	0.5	154	50	0.00
LWB	90	26MAR94:10:50	-1.8	0.3	4.0	3.8	3.3	5.3	7.0	1.6	5.0	-0.9	2.7	628	49	975	4.4	215	50	0.00
LWB	96	27MAR94:10:46	-2.5	-1.8	-1.3	-1.3	-1.4	-0.9	0.0	0.3	1.0	-0.2	-0.8	282	87	963	0.7	135	13	0.00
LWB	97	28MAR94:00:07	-4.3	-3.5	-3.0	-3.0	-3.1	-2.5	-2.3	0.3	1.0	-0.4	-3.1	84	96	967	1.8	259	0	0.00
LWB	99	28MAR94:15:22	-0.9	0.3	2.9	2.8	2.5	3.5	4.4	0.9	3.2	-1.7	2.3	142	66	969	3.7	289	50	0.00
LWB	100	28MAR94:19:33	-6.9	-5.6	-4.6	-4.5	-4.5	-3.3	-2.1	0.7	2.3	0.2	-1.6	0	81	970	0.0	90	50	0.00
LWB	101	29MAR94:05:51	-7.9	-6.6	-6.0	-5.8	-5.9	-5.0	-3.6	0.5	1.6	0.4	-3.7	0	94	973	0.0	90	5	0.00
LWB	102	29MAR94:20:57	-8.0	-6.3	-5.5	-5.5	-5.6	-4.5	-3.3	0.6	1.9	0.3	-3.1	0	88	980	0.7	11	10	0.00
LWB	103	29MAR94:21:59	-8.6	-6.7	-5.6	-5.6	-5.5	-4.2	-3.2	0.8	2.5	-0.3	-3.6	0	90	981	0.6	1	16	0.00
LWB	104	29MAR94:23:11	-9.8	-7.8	-6.9	-6.6	-6.6	-5.0	-3.6	0.8	2.7	0.3	-5.5	0	92	981	0.3	37	11	0.00
LWB	105	30MAR94:05:25	-9.5	-8.2	-7.5	-7.3	-7.4	-6.2	-4.8	0.6	1.9	0.5	-5.5	0	81	982	1.8	328	50	0.00
LWB	106	30MAR94:11:28	-8.2	2.2	6.5	6.6	6.5	6.4	8.3	1.2	4.2	-0.7	-1.0	759	54	984	4.3	304	50	0.00
LWB	107	30MAR94:14:21	-1.1	3.0	6.5	6.6	6.5	5.9	7.8	1.0	2.9	-1.2	1.9	585	47	982	3.8	284	50	0.00
LWB	108	30MAR94:18:43	-5.8	-4.4	-3.5	-3.5	-3.7	-2.9	-2.4	0.4	1.5	-0.2	-0.4	16	56	981	2.0	268	50	0.00
LWB	109	31MAR94:06:14	-14.2	-11.3	-10.4	-9.7	-9.8	-7.7	-6.8	1.1	3.7	0.3	-8.3	0	90	977	0.0	90	14	0.00
LWB	110	31MAR94:06:29	-12.6	-10.5	-9.4	-9.1	-9.3	-7.6	-5.8	0.9	3.2	0.1	-8.0	0	90	977	0.5	212	14	0.00
LWB	111	31MAR94:10:29	0.9	4.0	6.2	6.1	5.9	7.7	9.0	1.1	3.7	-0.7	3.4	651	49	975	3.3	234	50	0.00
LWB	112	31MAR94:16:55	5.2	6.8	7.5	7.7	7.6	8.5	9.2	0.5	1.6	-0.2	7.8	250	34	971	3.7	251	50	0.00
LWB	113	01APR94:00:07	-9.6	-6.9	-5.9	-5.7	-5.8	-4.1	-2.8	0.9	2.8	0.2	-1.1	0	64	971	0.9	289	50	0.00
LWB	114	01APR94:02:26	-10.4	-8.3	-7.4	-7.1	-7.1	-5.4	-4.0	0.9	3.0	0.2	-5.6	0	90	971	0.0	90	14	0.00
LWB	115	01APR94:04:22	-10.7	-8.6	-8.0	-7.5	-7.6	-5.9	-4.4	0.8	2.7	0.5	-6.1	0	86	971	0.5	24	15	0.00
LWB	116	01APR94:23:09	-5.2	-4.2	-3.6	-3.6	-3.5	-2.9	-2.3	0.4	1.3	-0.7	-0.5	0	47	973	0.9	136	50	0.00
LWB	117	02APR94:01:07	-4.9	-3.9	-3.2	-3.3	-3.3	-2.7	-2.2	0.4	1.2	-0.4	-0.8	0	51	972	1.0	166	50	0.00
LWB	118	02APR94:20:34	-5.8	-4.4	-3.7	-3.7	-3.8	-3.3	-2.7	0.5	1.1	-0.5	-2.0	0	64	968	6.0	305	50	0.00

GRAYLING II, SNOW OR/AND GRASS FEATURE, LWB DATA

LANDBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	119	02APR96:22:28	-5.3	-4.5	-4.1	-4.0	-4.1	-3.5	-2.6	0.3	1.0	-0.1	-3.9	0	72	960	5.9	330	50	0.00
LWB	120	02APR96:23:40	-6.3	-5.5	-5.0	-4.9	-5.0	-4.4	-3.6	0.4	1.1	-0.2	-4.6	0	75	970	4.2	316	50	0.00
LWB	121	03APR96:05:17	-8.3	-7.1	-6.5	-6.4	-6.5	-5.7	-5.0	0.4	1.4	0.0	-6.2	0	80	972	1.6	319	5	0.00
LWB	122	03APR96:14:07	6.9	8.9	11.1	11.3	11.3	14.0	16.1	1.5	5.1	0.2	3.1	778	35	972	5.2	284	50	0.00
LWB	123	03APR96:16:38	-2.0	-1.5	-1.0	-0.9	-0.9	0.8	1.1	0.4	1.5	0.5	2.4	26	34	972	1.8	292	50	0.00
LWB	124	03APR96:19:22	-6.0	-4.6	-4.1	-3.9	-4.0	-3.0	-2.0	0.5	1.6	0.2	0.1	0	36	972	0.9	269	50	0.00
LWB	125	04APR96:02:48	-13.0	-10.3	-9.2	-9.0	-9.0	-7.2	-5.3	1.0	5.2	0.3	-6.5	0	75	971	0.8	219	50	0.00
LWB	126	04APR96:06:50	-6.5	-5.6	-5.0	-4.9	-5.0	-4.3	-3.3	0.4	1.3	-0.0	-5.7	25	85	971	1.3	282	50	0.00
LWB	127	04APR96:09:53	2.2	4.2	5.0	5.4	5.5	6.7	7.6	0.0	2.5	-0.5	4.4	241	45	970	2.5	222	50	0.00
LWB	128	04APR96:13:26	4.0	6.5	7.4	7.5	7.4	8.2	8.8	0.6	1.7	-1.0	8.3	115	34	967	5.1	249	50	0.00
LWB	129	05APR96:05:05	-4.6	-3.9	-3.3	-3.3	-3.4	-3.0	-2.5	0.3	0.9	-0.6	-3.4	0	95	967	-	-	3	0.00
LWB	130	05APR96:13:28	-3.0	-2.9	-2.3	-2.3	-2.4	-1.7	-0.8	0.4	1.2	-0.4	-2.8	326	81	972	3.2	289	50	0.00
LWB	131	05APR96:17:45	-5.3	-4.5	-4.1	-3.9	-4.0	-3.3	-2.5	0.4	1.2	-0.5	-2.8	98	73	973	2.4	266	50	0.00
LWB	132	05APR96:18:28	-5.7	-4.9	-4.4	-4.3	-4.4	-3.7	-3.0	0.3	1.2	-0.2	-3.1	43	75	973	1.9	7	50	0.00
LWB	133	06APR96:09:19	-4.5	-3.0	-2.2	-1.9	-2.0	-0.8	1.2	0.7	2.2	0.1	-3.9	607	67	976	1.9	63	50	0.00
LWB	134	06APR96:10:59	-3.3	-2.2	-1.6	-1.4	-1.5	-0.4	2.1	0.6	1.8	0.6	-2.3	693	60	976	4.5	35	50	0.00
LWB	135	06APR96:14:26	-0.6	2.1	5.6	5.5	5.5	9.5	14.5	2.3	7.4	0.2	-0.3	667	47	974	3.2	31	50	0.00
LWB	136	06APR96:17:35	-2.5	-0.9	-0.3	0.2	0.3	2.8	6.2	0.9	2.8	0.6	-0.9	179	45	974	3.8	31	50	0.00
LWB	137	07APR96:07:42	-6.6	-5.1	-3.7	-3.6	-3.5	-1.7	-0.6	1.0	3.6	0.1	-7.2	390	69	982	0.7	298	50	0.00
LWB	138	07APR96:10:21	-0.6	1.3	1.8	2.4	2.6	5.0	9.0	1.2	3.7	1.7	3.9	101	34	988	1.4	2	50	0.00
LWB	139	07APR96:19:24	-8.6	-6.6	-6.9	-6.7	-6.7	-2.7	-0.9	1.1	3.7	0.1	0.5	0	52	988	0.2	307	50	0.00
LWB	140	07APR96:20:17	-11.8	-8.3	-7.2	-6.7	-6.8	-4.8	-3.3	1.1	3.5	-0.0	-6.6	0	78	984	0.7	26	50	0.00
LWB	143	13APR96:13:56	5.0	6.8	7.4	7.6	7.5	7.8	8.3	0.3	1.0	-0.4	6.4	67	98	957	1.6	289	32	0.00
LWB	144	13APR96:16:36	3.9	4.6	5.1	5.2	5.0	5.6	6.2	0.3	1.0	0.2	5.6	49	91	957	2.7	235	50	0.00
LWB	145	14APR96:02:05	3.1	3.7	4.1	4.1	4.0	4.5	4.8	0.2	0.8	-0.1	4.7	0	90	960	1.3	239	0	0.00
LWB	146	14APR96:08:42	-0.1	0.7	1.2	1.3	1.2	1.9	2.6	0.4	1.2	0.1	4.6	0	91	964	1.6	234	6	0.00
LWB	147	14APR96:19:14	20.6	22.0	24.1	24.3	24.2	26.3	28.1	1.3	4.3	-0.0	19.3	646	31	963	3.1	250	50	0.00
LWB	149	15APR96:02:33	5.2	6.0	6.5	6.7	6.6	7.2	7.9	0.4	1.2	-0.1	8.9	0	73	964	1.1	165	50	0.00
LWB	170	15APR96:06:26	8.8	9.4	9.8	9.9	9.8	10.3	10.8	0.3	0.9	-0.1	10.5	5	88	960	2.8	136	11	0.20
LWB	171	15APR96:08:17	8.8	9.5	10.0	10.0	9.9	10.5	11.2	0.3	1.0	0.4	11.4	6	79	959	2.9	108	17	0.00
LWB	172	15APR96:14:16	11.9	12.5	13.0	13.0	12.9	13.3	13.6	0.2	0.7	-0.6	13.0	55	96	954	3.7	195	10	0.00

GRAYLING II, SNOW OR/AND GRASS FEATURE, LWB DATA

MIVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	29	1 [illegible]:01:58	-15.3	-14.5	-13.8	-13.7	-13.8	-12.7	-10.8	0.5	1.6	1.0	-7.9	0	78	985	1.1	336	50	0.00
LWB	30	1 [illegible]:11:28	-1.9	-1.2	-0.7	-0.6	-0.6	0.4	3.3	0.5	1.6	1.7	-2.4	567	61	987	0.7	81	50	0.00
LWB	31	1 [illegible]:13:33	-2.8	-2.1	-1.5	-1.4	-1.4	0.8	2.9	0.7	2.1	2.1	.	.	.	.	.	.	.	.
LWB	32	1 [illegible]:19:05	-12.1	-11.0	-10.3	-10.1	-10.1	-8.9	-7.1	0.7	2.1	0.4	-3.0	0	66	986	0.0	90	50	0.00
LWB	33	1 [illegible]:02:41	-15.5	-14.5	-13.4	-13.2	-13.2	-11.7	-9.4	0.8	2.8	0.3	-9.8	0	88	986	0.4	53	50	0.00
LWB	35	1 [illegible]:09:44	-4.7	-4.^	-3.4	-3.3	-3.4	-2.8	-2.2	0.4	1.2	-0.3	-2.4	126	66	988	1.9	180	50	0.00
LWB	36	1 [illegible]:10:27	-2.6	-	-1.3	-1.3	-1.4	-0.9	-0.5	0.3	1.0	-0.6	-0.7	3	92	978	1.2	287	3	0.00
LWB	37	1 [illegible]:00:14	-4.6	.1	-3.5	-3.5	-3.6	-3.1	-2.7	0.3	1.0	-0.6	-2.7	0	92	979	0.8	281	2	0.00
LWB	38	1 [illegible]:02:26	-10.2	.4	-8.8	-8.7	-8.8	-7.7	-6.4	0.5	1.8	1.1	-3.8	0	91	978	0.8	90	2	0.00
LWB	39	1 [illegible]:14:43	-1.5	-0.8	-0.4	-0.1	0.1	2.3	10.0	1.0	3.1	2.6	3.8	508	48	976	0.9	175	50	0.00
LWB	40	1 [illegible]:10:50	-9.1	-8.2	-7.6	-7.5	-7.6	-6.1	-4.8	0.6	2.0	0.9	-2.7	0	84	974	0.8	98	50	0.00
LWB	41	1 [illegible]:05:16	-14.7	-13.6	-12.5	-12.2	-12.2	-10.2	-8.0	1.0	3.4	0.4	.	.	.	.	.	.	.	.
LWB	42	1 [illegible]:16:30	-2.3	-1.6	-1.1	-1.0	-1.2	-0.6	-0.1	0.3	1.0	0.2	-0.1	148	87	958	4.6	210	10	0.00
LWB	43	1 [illegible]:18:05	-2.8	-2.0	-1.6	-1.5	-1.6	-1.0	-0.5	0.3	1.0	-0.6	0.5	12	89	956	2.3	234	9	0.00
LWB	44	1 [illegible]:19:41	-3.5	-2.9	-2.4	-2.3	-2.4	-1.7	-1.2	0.4	1.2	-0.4	0.2	0	89	956	1.4	275	50	0.00
LWB	46	1 [illegible]:06:37	-2.7	-2.1	-1.6	-1.6	-1.6	-1.1	-0.6	0.3	1.0	-0.1	-0.1	0	94	956	0.9	>50	.	0.00
LWB	47	1 [illegible]:09:54	-4.3	-3.3	-2.8	-2.8	-2.9	-2.4	-1.8	0.3	1.0	-0.5	-2.1	153	82	956	2.7	326	.	0.00
LWB	48	1 [illegible]:13:10	-6.6	-5.7	-5.0	-5.0	-5.0	-4.2	-3.1	0.5	1.5	-0.8	-5.0	373	67	962	4.8	340	.	0.00
LWB	49	1 [illegible]:05:13	-20.3	-19.4	-18.4	-18.4	-18.5	-17.2	-15.6	0.7	2.2	0.6	-12.6	0	61	970	4.1	352	50	0.00
LWB	50	1 [illegible]:13:42	-12.2	-11.0	-9.9	-9.8	-9.9	-8.4	-3.9	0.9	2.6	0.8	-9.9	742	42	973	6.9	335	50	0.00
LWB	51	1 [illegible]:17:16	-14.9	-14.0	-13.2	-12.9	-12.7	-10.5	-7.0	1.1	3.4	1.2	-8.8	225	43	973	3.5	332	50	0.00
LWB	52	1 [illegible]:10:17	-17.1	-16.1	-15.5	-15.2	-15.2	-13.7	-9.4	0.8	2.4	1.2	-10.8	27	44	97-	4.2	314	50	2.00
LWB	53	1 [illegible]:09:07	-11.8	-10.7	9.7	-9.6	-9.6	-8.1	-5.1	0.8	2.7	0.8	-10.9	615	62	973	5.1	349	50	0.00
LWB	54	1 [illegible]:10:11	-9.3	-8.2	-7.3	-7.1	-7.1	-5.8	-1.4	0.7	2.4	0.6	-6.1	552	41	973	1.5	322	50	0.00
LWB	55	1 [illegible]:14:20	-6.5	-6.0	-3.2	-3.0	-3.0	-1.4	3.7	0.9	2.6	1.6	-2.3	530	38	969	1.6	250	50	0.00
LWB	56	1 [illegible]:17:05	-5.7	-4.6	-4.1	-4.0	-4.0	-3.2	0.1	0.5	1.5	1.9	-2.5	64	39	966	0.5	279	50	0.00
LWB	57	1 [illegible]:07:53	-8.6	-8.1	-7.4	-7.4	-7.5	-7.0	-6.4	0.3	1.1	-0.9	-6.6	7	92	955	1.8	55	0	0.00
LWB	58	1 [illegible]:10:17	-7.3	-6.7	-6.0	-6.0	-6.2	-5.7	-4.9	0.3	1.0	-0.2	-4.5	14	73	962	4.4	338	50	0.00
LWB	59	1 [illegible]:19:34	-12.0	-12.1	-11.3	-11.3	-11.4	-10.7	-9.1	0.6	1.3	0.0	-5.2	0	77	963	2.5	295	50	0.00
LWB	60	1 [illegible]:20:40	-15.0	-14.9	-14.1	-14.1	-14.3	-13.5	-11.8	0.5	1.4	0.1	-6.4	0	65	964	1.0	317	40	0.00
LWB	61	1 [illegible]:02:36	-26.0	-25.0	-23.5	-23.8	-24.1	-22.8	-21.5	0.7	2.1	0.2	-13.6	0	76	967	0.0	90	50	0.00
LWB	62	1 [illegible]:05:25	-28.5	-27.4	-26.5	-26.5	-26.6	-25.7	-25.1	0.5	1.7	-0.4	-17.1	0	88	967	0.0	90	50	0.00
LWB	63	1 [illegible]:16:19	-4.7	-4.0	-3.5	-3.4	-3.4	-2.5	-0.5	0.5	1.5	0.8	1.2	418	39	968	3.7	316	50	0.00
LWB	64	1 [illegible]:17:40	-8.3	-7.0	-6.3	-6.3	-6.4	-5.6	-4.4	0.6	1.6	0.3	0.1	110	61	969	3.9	280	50	0.00
LWB	65	2 [illegible]:01:11	-22.8	-21.7	-20.8	-20.8	-21.0	-20.2	-19.1	0.5	1.5	-0.1	-16.7	0	86	973	0.9	12	50	0.00
LWB	67	2 [illegible]:17:19	-1.4	-0.8	-0.3	-0.2	-0.1	1.1	6.5	0.6	1.8	2.1	6.6	128	33	968	2.1	140	50	0.00
LWB	68	2 [illegible]:23:11	-3.7	-3.0	-2.5	-2.5	-2.5	-1.9	-1.0	0.3	1.1	0.3	-0.1	0	69	967	1.7	135	50	0.00
LWB	69	2 [illegible]:04:44	-3.0	-2.4	-1.8	-1.7	-1.9	-1.4	-1.1	0.3	1.0	-0.2	-0.9	0	86	969	0.4	169	2	0.00
LWB	70	2 [illegible]:06:53	-2.8	-2.2	-1.6	-1.6	-1.8	-1.3	-0.9	0.3	0.9	-0.8	-1.1	1	94	958	1.9	63	2	0.00
LWB	71	2 [illegible]:22:15	-12.1	-10.9	-10.3	-9.8	-9.3	-6.2	-5.3	1.5	4.7	0.8	-3.7	0	95	964	0.4	288	5	0.00

GRAYLING II, SNOW OR/AND GRASS FEATURE, LWB DATA

WAVEBAND	REGION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MIDRANGE TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AGR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	29	12MAR94:01:38	-12.9	-11.8	-10.1	-9.9	-10.1	-8.9	-7.5	0.6	2.1	-0.1	-7.9	0	78	985	1.1	355	50	0.00
SWB	30	12MAR94:11:28	0.2	2.2	2.9	3.0	3.0	4.1	6.6	0.6	2.0	0.5	-2.4	567	61	987	0.7	81	50	0.00
SWB	31	12MAR94:15:33	-0.2	1.1	1.6	1.9	1.9	3.4	7.2	0.8	2.4	1.7	-	-	-	-	-	-	-	-
SWB	32	12MAR94:19:[illegible]	-9.4	-8.0	-7.8	-6.9	-7.8	-5.8	-4.1	0.7	2.2	0.2	-5.8	0	66	986	0.8	98	50	0.00
SWB	33	13MAR94:02:41	-13.1	-11.2	-10.5	-10.1	-10.1	-8.5	-6.6	0.8	2.7	0.1	-9.8	0	88	986	0.4	55	50	0.00
SWB	35	13MAR94:09:44	-2.7	-1.5	-0.8	-0.7	-0.8	0.1	0.8	0.5	1.6	-0.2	-2.4	126	66	983	1.9	109	50	0.00
SWB	36	13MAR94:16:27	-1.9	-0.7	-0.1	0.1	-0.1	0.8	1.7	0.4	1.5	-0.1	-0.7	3	92	978	1.2	287	3	0.00
SWB	37	13MAR94:00:14	-4.3	-3.0	-2.3	-2.3	-2.4	-1.5	-0.6	0.5	1.5	0.2	-2.7	0	92	979	0.8	288	2	0.00
SWB	38	13MAR94:05:26	-8.4	-6.9	-6.3	-6.1	-6.1	-5.0	-3.8	0.6	1.9	-0.3	-5.0	0	91	978	0.8	90	2	0.00
SWB	39	13MAR94:14:43	0.7	1.9	2.5	2.7	2.9	5.2	10.4	1.0	3.3	2.3	3.0	508	60	976	0.0	175	50	0.00
SWB	40	13MAR94:18:50	-7.5	-6.0	-5.2	-5.0	-5.2	-4.0	-1.8	0.6	2.0	0.5	-2.7	0	84	976	0.0	90	50	0.00
SWB	41	14MAR94:05:16	-12.2	-10.1	-9.1	-8.7	-8.7	-6.9	-4.7	1.0	3.2	0.1	-	-	-	-	-	-	-	-
SWB	42	14MAR94:14:38	-1.4	-0.1	0.7	0.7	[illegible].6	1.4	2.4	0.5	1.5	0.0	-0.1	148	87	950	4.6	210	10	0.00
SWB	43	14MAR94:18:05	-1.4	0.1	0.7	0.8	0.7	1.6	2.7	0.5	1.5	-0.1	0.5	12	89	956	2.3	232	9	0.00
SWB	44	14MAR94:19:41	-2.6	-0.8	-0.1	0.1	-0.1	0.8	1.9	0.5	1.6	-0.3	0.2	0	89	956	1.4	215	50	0.00
SWB	46	15MAR94:06:37	-2.8	-0.6	0.1	0.2	0.1	1.1	2.8	0.5	1.6	0.2	-0.1	0	94	956	0.9	269	.	0.00
SWB	47	15MAR94:09:54	-2.9	-1.2	-0.3	-0.3	-0.4	0.6	1.7	0.5	1.8	0.1	-2.1	153	82	958	2.7	326	.	0.00
SWB	48	15MAR94:13:10	-4.4	-3.0	-2.0	-1.9	-2.0	-0.8	0.6	0.7	2.2	0.1	-5.0	373	67	962	4.0	340	.	0.00
SWB	49	16MAR94:03:13	-17.9	-15.2	-14.2	-14.0	-14.2	-12.7	-11.0	0.8	2.5	-0.1	-12.6	0	61	970	4.1	352	50	0.00
SWB	50	16MAR94:13:42	-10.8	-5.5	-3.6	-3.3	-3.3	-0.6	7.6	1.7	4.9	1.6	-9.9	742	42	973	6.9	333	50	0.00
SWB	51	16MAR94:17:14	-11.0	-9.1	-8.0	-7.4	-7.4	-6.3	4.9	1.4	4.8	1.3	-8.8	225	43	973	3.5	332	50	0.00
SWB	52	16MAR94:18:17	-14.8	-12.0	-10.8	-10.8	-11.0	-9.6	-7.9	0.8	2.4	0.1	-10.8	27	46	974	4.2	316	50	0.00
SWB	53	17MAR94:09:07	-8.6	-2.5	1.2	1.[illegible]	0.8	3.7	9.5	1.8	6.0	-0.4	-10.9	415	62	973	1.1	340	50	0.00
SWB	54	17MAR94:10:11	-4.4	-1.6	0.3	0.6	0.5	2.7	6.3	1.3	4.6	-0.1	-0.1	532	61	973	1.5	322	50	0.00
SWB	55	17MAR94:14:20	-1.9	-0.2	0.7	0.8	1.0	2.6	7.1	1.0	2.8	1.3	-2.3	530	38	969	1.6	250	50	0.00
SWB	56	17MAR94:17:05	-4.6	-3.0	-2.3	-2.8	-2.2	-1.1	0.5	0.6	1.9	0.0	-2.5	64	59	966	0.5	279	50	0.00
SWB	57	18MAR94:07:53	-7.9	-6.0	-5.2	-5.0	-5.2	-4.1	-3.3	0.6	1.8	-0.3	-6.6	7	92	955	1.8	55	8	0.00
SWB	58	18MAR94:10:17	-6.4	-5.0	-4.1	-4.0	-4.1	-3.1	-2.2	0.6	1.9	-0.3	-4.5	14	73	962	4.6	335	56	0.00
SWB	59	18MAR94:19:36	-11.4	-9.6	-8.7	-8.5	-8.7	-7.5	-6.3	0.7	2.0	-0.1	-5.2	0	77	963	2.5	295	50	0.00
SWB	60	18MAR94:20:47	-13.1	-11.4	-10.3	-10.1	-10.3	-9.1	-7.7	0.7	2.3	-0.2	-6.4	0	85	964	1.0	317	40	0.00
SWB	61	19MAR94:02:36	-23.5	-20.4	-18.9	-18.9	-19.2	-17.5	-15.7	1.0	3.0	-0.2	-13.6	0	76	967	0.0	90	50	0.00
SWB	62	19MAR94:05:25	-26.3	-23.2	-21.8	-21.5	-21.8	-19.9	-18.4	1.0	3.3	-0.1	-17.1	0	80	967	0.0	90	50	0.00
SWB	63	19MAR94:16:19	-1.4	0.3	1.[illegible]	1.3	1.2	2.6	5.5	0.6	1.9	0.0	1.2	418	39	960	3.7	316	50	0.00
SWB	64	19MAR94:17:49	-5.5	-3.7	-2.9	-2.7	-2.9	-1.6	0.8	0.6	2.1	0.1	0.1	118	61	969	3.9	298	50	0.00
SWB	65	20MAR94:01:11	-20.4	-17.9	-16.5	-16.3	-16.5	-15.0	-13.1	0.9	2.9	-0.2	-16.7	0	84	971	0.9	12	50	0.00
SWB	67	20MAR94:17:19	0.3	1.4	2.0	2.3	2.3	3.3	5.8	0.6	1.9	0.7	6.6	128	33	968	2.1	148	50	0.00
SWB	68	20MAR94:22:12	-2.3	-1.1	-0.5	-0.2	-0.3	0.6	1.6	0.5	1.7	-0.4	-0.1	0	60	967	2.3	114	50	0.00
SWB	69	21MAR94:06:44	-2.0	-0.7	-0.1	0.1	-0.1	0.8	1.7	0.5	1.5	0.1	-0.9	0	86	960	0.4	100	2	0.00
SWB	70	21MAR94:06:55	-1.9	-0.6	0.1	0.2	0.1	1.0	1.7	0.5	1.5	-0.2	-1.1	1	95	950	1.9	63	2	0.00
SWB	71	21MAR94:22:15	-9.4	-7.2	-6.3	-6.0	-6.0	-3.1	-1.2	1.2	4.1	1.1	-3.7	0	95	964	0.4	280	5	0.00

GRAYLING II, SNOW OR/AND GRASS FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	75-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	72	21MAR96:23:29	-10.1	-7.9	-6.9	-6.7	-6.7	.3	-0.3	1.1	3.6	1.5	-3.6	0	92	965	0.0	99	14	0.00
SWB	73	22MAR96:03:36	-11.6	-9.8	-8.9	-8.2	-7.9	-.9	-1.6	1.5	4.9	0.7	-7.2	0	92	965	0.0	99	50	0.00
SWB	74	22MAR96:11:50	4.2	5.6	6.3	6.5	6.6	8.6	13.4	1.8	2.9	2.1	10.4	757	35	964	4.0	244	50	0.00
SWB	75	22MAR96:14:15	3.5	4.8	5.3	5.7	6.-	9.2	15.4	1.4	4.4	1.6	11.8	496	34	962	5.1	223	50	0.03
SWB	76	22MAR96:20:38	0.3	1.6	2.4	2.5	2.4	3.4	-5.1	0.6	1.9	-0.1	6.2	0	56	962	1.1	220	50	0.00
SWB	77	23MAR96:14:20	2.5	3.7	4.1	5.3	6.0	10.3	15.8	2.1	6.6	0.9	8.9	480	42	965	2.2	76	50	0.00
SWB	78	23MAR96:19:06	-0.3	1.2	1.9	2.3	2.2	3.2	4.8	0.6	2.8	-0.1	4.8	0	52	965	2.2	73	50	0.00
SWB	80	23MAR96:22:10	-1.8	-0.2	0.7	0.7	0.6	1.6	2.4	0.5	1.7	0.1	0.7	0	76	965	1.5	57	50	0.00
SWB	81	24MAR96:09:11	-0.8	0.6	1.3	1.6	1.4	2.5	3.4	0.6	1.9	-0.3	0.9	37	95	957	1.9	267	6	0.00
SWB	82	24MAR96:15:47	-1.2	0.2	1.0	1.1	1.0	2.0	2.9	0.6	1.8	0.1	-0.3	204	88	962	4.6	256	8	0.00
SWB	83	24MAR96:21:54	-6.1	-4.-	-3.6	-3.4	-3.6	-2.3	-1.1	0.7	2.1	0.2	-5.1	0	72	972	4.6	316	50	0.00
SWB	84	24MAR96:22:04	-6.1	-4.3	-3.3	-3.3	-3.4	-2.2	-1.0	0.7	2.1	0.2	-5.2	0	73	972	3.4	307	50	0.00
SWB	85	25MAR96:06:47	-7.6	-5.5	-4.7	-4.4	-4.6	-3.4	-1.6	0.7	2.1	-0.0	-6.7	7	78	976	4.3	323	50	0.00
SWB	86	25MAR96:09:15	0.3	4.0	6.2	6.3	6.3	8.7	15.2	1.4	4.7	-0.1	-5.5	442	45	977	4.6	337	50	0.00
SWB	87	25MAR96:20:25	-7.0	-5.2	-3.8	-3.7	-3.8	-2.3	-0.6	0.9	2.9	-0.0	-3.4	0	58	978	1.2	357	50	0.00
SWB	88	25MAR96:23:43	-11.4	-9.2	-7.5	-7.2	-7.4	-5.2	-3.0	1.2	4.1	0.0	-8.0	0	85	978	0.0	90	50	0.00
SWB	89	26MAR96:07:51	-5.2	-3.4	-2.5	-2.3	-2.3	-1.1	0.2	0.7	2.3	-0.4	-5.3	76	74	977	0.5	156	50	0.00
SWB	90	26MAR96:10:50	2.2	4.4	9.0	8.5	8.0	10.6	15.0	1.9	6.1	-0.7	2.7	628	49	975	4.4	215	50	0.00
SWB	96	27MAR96:10:46	-1.6	-0.3	0.5	0.5	0.3	1.3	2.4	0.5	1.6	0.1	-0.8	202	87	965	0.7	126	13	0.00
SWB	97	28MAR96:08:07	-2.6	-1.5	-0.7	-0.7	-0.8	0.2	1.2	0.5	.7	0.2	-3.1	64	96	967	1.8	259	0	0.00
SWB	99	28MAR96:15:22	0.1	2.4	4.3	4.3	4.1	5.4	6.8	0.9	3.0	-1.0	2.3	162	66	969	3.7	299	50	0.00
SWB	100	28MAR96:19:35	-5.6	-3.6	-2.6	-2.3	-2.4	-1.1	0.7	0.8	2.5	0.0	-1.6	0	81	970	0.0	90	50	0.00
SWB	101	29MAR96:05:31	-6.1	-4.6	-3.8	-3.7	-3.8	-2.6	-1.2	0.6	2.0	0.3	-3.7	0	94	973	0.0	90	5	0.00
SWB	102	29MAR96:20:57	-6.3	-4.6	-3.6	-3.6	-3.6	-2.2	-0.6	0.7	2.6	-0.3	-3.1	0	88	980	0.7	11	90	0.00
SWB	103	29MAR96:21:59	-6.6	-4.6	-3.3	-3.3	-3.4	-1.9	0.1	0.8	2.7	-0.0	-3.6	4	90	981	0.6	1	16	0.00
SWB	104	29MAR96:23:11	-8.2	-5.8	-4.7	-4.6	-4.6	-2.9	-0.6	0.9	2.9	0.2	-5.5	0	92	981	0.3	37	11	0.00
SWB	105	30MAR96:02:23	-7.5	-6.0	-4.9	-4.7	-4.9	-3.6	-1.8	0.8	2.6	0.0	-5.5	0	81	982	1.0	328	50	0.00
SWB	106	30MAR96:11:20	3.7	7.2	11.0	10.6	10.4	12.8	15.3	1.7	5.6	-0.7	-1.0	750	54	984	4.3	304	50	3.00
SWB	107	30MAR96:14:21	1.1	5.7	7.6	7.7	7.5	9.2	10.9	1.1	3.4	-1.3	1.9	505	47	982	3.0	281	50	0.00
SWB	108	30MAR96:18:43	-4.8	-2.6	-1.5	-1.5	-1.6	-0.6	0.7	0.6	1.9	0.0	-0.4	16	56	981	2.0	266	50	0.00
SWB	109	31MAR96:04:14	-11.0	-8.7	-7.0	-7.0	-7.2	-5.3	-3.4	1.1	3.4	0.2	-8.3	0	90	977	0.0	90	14	0.00
SWB	110	31MAR96:06:29	-9.1	-7.2	-6.4	-6.8	-6.1	-4.6	-2.6	0.8	2.6	0.3	-8.0	0	90	977	0.5	212	14	0.00
SWB	111	31MAR96:10:29	6.0	8.2	11.2	11.3	11.0	13.2	15.2	1.5	5.0	-0.9	3.4	631	49	975	3.3	254	50	0.20
SWB	112	31MAR96:16:55	7.8	9.9	10.7	10.8	10.7	11.6	12.8	0.5	1.7	-0.3	7.8	250	34	971	3.7	251	56	0.00
SWB	113	01APR96:00:07	-5.8	-4.1	-3.1	-3.0	-3.1	-1.6	0.2	0.8	2.5	0.3	-1.1	0	64	971	0.9	289	50	0.00
SWB	114	01APR96:02:26	-8.0	-6.3	-5.3	-5.0	-5.0	-3.4	-1.8	0.8	2.8	0.1	-5.6	0	90	971	0.0	90	14	0.00
SWB	115	01APR96:04:22	-8.0	-6.4	-5.5	-5.2	-5.3	-3.8	-2.0	0.8	2.6	0.5	-6.1	0	86	971	0.5	34	15	0.00
SWB	116	01APR96:23:09	-3.7	-2.3	-1.6	-1.4	-1.5	-0.4	0.5	0.5	1.7	-0.3	-0.5	0	47	973	0.9	136	50	0.00
SWB	117	02APR96:01:07	-3.8	-1.8	-1.2	-1.0	-1.1	-0.2	1.1	0.5	1.6	-0.2	-0.8	0	51	972	1.0	106	50	0.00
SWB	118	02APR96:20:36	-4.4	-3.0	-2.2	-2.2	-2.3	-1.4	-0.1	0.5	1.6	0.2	-2.0	0	66	966	0.0	305	50	0.00

GRAYLING II, SNOW OR/AND GRASS FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	119	02APR94:22:24	-4.6	-3.4	-2.7	-2.6	-2.7	-1.8	-1.0	0.5	1.7	-0.1	-3.9	0	72	969	5.0	339	50	0.00
SWB	120	02APR94:23:13	-5.0	-3.7	-3.0	-2.9	-3.0	-2.0	-0.7	0.5	1.7	0.2	-4.6	0	76	969	1.4	337	50	0.00
SWB	121	03APR94:05:17	-6.7	-5.5	-4.6	-4.4	-4.6	-3.6	-2.6	0.6	1.8	-0.2	-6.2	0	80	972	1.6	319	5	0.00
SWB	122	03APR94:14:07	12.8	16.1	18.5	18.6	18.5	20.9	24.1	1.5	4.8	-0.1	3.1	778	35	972	3.2	294	50	0.00
SWB	123	04APR94:18:36	-1.1	0.2	1.1	1.1	1.0	2.0	3.2	0.5	1.8	0.3	2.4	26	34	972	1.8	292	50	0.00
SWB	124	05APR94:19:22	-5.2	-3.3	-2.2	-2.2	-2.3	-1.1	0.5	0.7	2.2	-0.1	0.1	0	36	972	0.9	261	50	0.00
SWB	125	06APR94:02:48	-9.8	-7.7	-6.6	-6.3	-6.4	-4.6	-2.9	0.9	3.1	0.3	-6.5	0	75	971	0.8	219	50	0.00
SWB	126	06APR94:06:50	-5.2	-3.6	-2.7	-2.6	-2.7	-1.6	-0.4	0.6	1.9	0.0	-5.7	25	85	971	1.3	202	50	0.00
SWB	127	06APR94:09:53	3.8	6.3	7.7	7.7	7.6	8.8	10.1	0.7	2.5	-0.8	6.4	241	45	970	2.5	222	50	0.00
SWB	128	06APR94:13:26	4.4	7.2	8.3	8.2	8.1	9.1	10.1	0.6	1.9	-0.7	8.3	115	34	967	5.1	219	50	0.00
SWB	129	05APR94:05:05	-4.4	-2.9	-2.2	-2.0	-2.2	-1.1	-0.2	0.5	1.8	0.1	-3.4	0	93	967	.	.	3	0.00
SWB	130	05APR94:13:20	-2.7	-1.4	-0.4	-0.6	-0.7	0.3	1.3	0.5	1.7	0.2	-2.8	326	81	972	3.2	359	50	0.00
SWB	131	05APR94:17:45	-4.6	-3.0	-2.2	-2.2	-2.3	-1.2	-0.2	0.5	1.8	0.0	-2.8	90	73	973	2.4	356	50	0.00
SWB	132	05APR94:18:28	-4.6	-3.4	-2.7	-2.6	-2.7	-1.6	-0.6	0.5	1.8	0.3	-3.1	43	75	973	1.9	7	50	0.00
SWB	133	06APR94:09:19	-0.6	2.7	4.9	5.2	5.1	7.5	10.0	1.5	4.7	-0.2	-3.9	607	67	976	1.9	63	50	0.00
SWB	134	06APR94:10:59	-0.2	2.5	3.8	3.9	3.8	5.1	6.4	0.8	2.6	-0.3	-2.3	693	60	976	4.5	35	50	0.00
SWB	135	06APR94:14:24	2.3	7.1	11.3	11.6	11.5	15.2	19.3	2.5	8.1	-0.4	-0.3	667	47	974	3.2	31	50	0.00
SWB	136	06APR94:17:35	0.3	2.2	3.1	3.3	3.3	5.0	8.0	0.9	2.8	0.6	-0.9	179	45	974	3.0	31	50	0.00
SWB	137	07APR94:07:42	-2.4	-0.4	0.5	1.8	2.0	5.4	8.8	1.9	5.9	0.3	-7.2	310	69	982	0.7	298	50	0.00
SWB	138	07APR94:10:21	2.6	5.4	7.3	7.5	7.5	9.9	14.8	1.4	4.5	0.5	3.9	101	34	983	1.4	2	50	0.00
SWB	139	07APR94:19:24	-6.6	-4.1	-3.0	-2.4	-2.6	-0.6	1.1	1.1	3.6	0.1	0.5	0	52	983	0.2	307	50	0.00
SWB	140	07APR94:20:17	-8.9	-6.0	-4.6	-4.3	-4.4	-2.4	-0.6	1.1	3.5	0.1	-4.4	0	78	984	0.7	26	50	0.00
SWB	143	13APR94:13:56	6.0	7.2	7.8	8.0	7.9	8.7	9.4	0.4	1.5	-0.4	6.4	67	98	957	1.6	269	32	0.00
SWB	144	13APR94:14:36	5.1	6.4	7.0	7.2	7.1	7.9	8.9	0.5	1.5	-0.3	5.4	49	91	957	2.7	255	50	0.00
SWB	145	14APR94:02:05	3.4	4.7	5.2	5.3	5.2	6.0	7.1	0.4	1.3	-0.0	4.7	0	98	960	1.3	239	0	0.00
SWB	146	14APR94:05:42	1.6	3.7	5.5	5.5	5.4	6.4	9.2	0.5	1.7	0.1	1.4	0	91	961	1.6	236	6	0.00
SWB	147	14APR94:15:14	22.6	26.4	28.0	28.5	28.4	30.2	31.5	1.2	3.8	-0.7	19.3	646	31	963	5.1	250	50	0.00
SWB	148	15APR94:02:33	6.0	7.2	7.8	7.9	7.8	8.7	9.5	0.5	1.5	0.3	0.9	0	73	964	1.1	165	50	0.00
SWB	170	15APR94:06:24	9.6	10.6	11.1	11.3	11.2	11.8	12.4	0.4	1.2	-0.4	10.5	5	88	960	2.8	136	11	0.00
SWB	171	15APR94:09:17	9.7	10.8	11.4	11.5	11.4	12.1	12.9	0.4	1.3	0.0	11.4	6	79	959	2.9	188	17	0.00
SWB	172	15APR94:14:16	12.2	13.1	13.6	13.7	13.6	14.2	14.9	0.3	1.1	-0.4	13.0	55	9[illegible]	954	3.7	195	10	0.00

GRAYLING II, SNOW OR/AND GRASS FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	118	02APR96:20:36	-4.8	-4.8	-3.5	-3.3	-3.3	-2.5	-1.4	0.5	1.5	0.4	-2.1	0	66	968	7.8	325	45	0.00
LWB	119	02APR96:22:15	-5.5	-4.9	-4.5	-4.4	-4.5	-3.8	-2.8	0.3	1.1	0.5	-3.9	0	73	969	4.6	330	50	0.00
LWB	121	03APR96:05:19	-8.4	-7.7	-7.2	-7.1	-7.2	-6.5	-5.6	0.4	1.2	0.2	-6.2	0	81	972	2.3	302	5	0.05
LWB	122	03APR96:14:05	3.2	5.0	6.0	7.3	7.5	11.0	15.5	1.6	6.0	0.6	2.9	780	34	972	3.3	290	50	0.00
LWB	123	03APR96:16:36	-2.6	-0.8	0.3	0.9	1.0	3.6	7.0	1.4	4.3	0.8	2.5	34	32	972	3.1	299	50	0.00
LWB	124	03APR96:19:25	-5.2	-3.3	-2.2	-2.0	-2.0	-0.3	2.2	0	3.0	0.4	0.0	0	36	972	0.9	264	50	0.00
LWB	125	04APR96:02:53	-11.0	-9.0	-7.8	-7.6	-7.7	-6.0	-2.6	0.5	3.0	0.2	-6.5	0	69	971	0.9	283	50	0.00
LWB	126	04APR96:06:49	-7.0	-5.9	-5.4	-5.3	-5.4	-4.7	-1.6	0.4	1.2	1.1	-6.0	25	86	971	1.0	221	50	0.00
LWB	127	04APR96:09:52	3.4	4.4	5.3	5.4	5.3	6.3	8.3	0.6	1.9	0.0	4.5	238	46	970	3.5	233	50	0.00
LWB	128	04APR96:13:27	5.9	7.0	8.2	8.3	8.2	8.6	9.2	0.3	0.8	-1.1	8.3	120	34	967	5.8	210	50	0.00
LWB	129	05APR96:03:05	-4.7	-4.2	-3.8	-3.7	-3.8	-3.2	0.8	0.6	1.0	2.4	-3.4	0	95	967	.	.	3	0.00
LWB	130	05APR96:13:26	-3.0	-2.4	-2.0	-1.8	-1.8	-0.8	1.2	0.5	1.6	1.3	-2.8	314	62	972	2.1	5	50	0.00
LWB	131	05APR96:17:44	-4.6	-4.0	-3.5	3.3	-3.4	-2.6	-0.2	0.6	1.4	0.9	-2.8	91	72	975	2.6	7	50	0.00
LWB	132	05APR96:18:19	-3.1	-4.3	-3.8	-3.7	-3.8	-3.0	-1.3	0.6	1.3	1.0	-3.1	43	74	973	1.6	7	50	0.05
LWB	133	06APR96:09:19	-3.1	-1.2	-0.3	-0.2	-0.3	0.7	2.0	0.6	1.9	-0.1	-3.9	607	67	976	1.9	45	50	0.00
LWB	134	06APR96:10:59	-2.5	-1.3	-0.7	-0.6	-0.5	0.7	2.3	0.6	2.0	0.6	-2.3	693	60	976	4.5	35	50	0.00
LWB	135	06APR96:14:23	-0.6	1.1	2.2	2.5	2.6	4.7	8.8	1.1	3.6	1.0	-0.2	545	48	974	4.7	32	50	0.00
LWB	136	06APR96:17:35	-2.5	-1.3	-0.7	-0.6	-0.6	0.6	2.3	0.6	1.9	0.8	-0.9	179	45	974	3.8	31	50	0.00
LWB	137	07APR96:07:42	-6.6	-4.7	-3.3	-3.5	-3.6	-2.4	-1.0	0.7	2.4	-0.8	-7.2	310	69	982	0.7	298	50	0.00
LWB	138	07APR96:10:10	0.2	2.2	3.1	3.8	4.3	8.5	15.1	2.0	6.3	1.6	4.0	110	33	983	2.1	337	50	0.00
LWB	139	07APR96:19:03	-5.3	-2.9	-1.3	-0.5	-0.3	3.0	7.6	1.8	5.9	0.6	2.1	5	61	983	0.9	336	50	0.00
LWB	140	07APR96:20:26	-10.7	-7.6	-6.2	-5.8	-5.8	-3.4	0.1	1.3	4.1	0.5	-4.7	0	79	984	0.6	6	50	0.00
LWB	143	13APR96:13:59	5.3	6.1	6.5	6.6	6.5	7.1	8.0	0.3	1.0	0.3	6.4	79	90	957	1.5	256	50	0.00
LWB	144	13APR96:16:37	3.8	4.4	4.7	4.8	4.7	5.2	6.2	0.2	0.8	-0.1	5.4	55	91	957	1.6	256	50	0.00
LWB	145	14APR96:08:08	3.3	4.0	4.2	4.3	4.2	4.7	6.8	0.2	0.7	0.7	4.7	0	98	960	2.6	250	9	0.05
LWB	146	14APR96:08:43	0.9	1.9	2.8	2.7	2.6	3.2	3.7	0.4	1.3	-0.4	4.3	0	91	961	1.4	246	6	0.00
LWB	147	14APR96:15:15	19.0	20.2	20.9	21.4	21.5	25.5	26.9	1.0	3.3	0.9	19.3	665	32	963	2.8	271	50	0.00
LWB	148	14APR96:16:34	18.3	19.8	21.0	21.1	21.2	23.5	27.4	1.1	3.7	1.1	19.2	435	31	964	2.1	253	50	0.00
LWB	149	15APR96:08:34	5.9	7.1	7.7	7.8	7.7	8.4	9.2	0.4	1.2	-0.6	8.9	0	73	963	0.8	166	50	0.00
LWB	170	15APR96:06:23	9.4	10.0	10.4	10.4	10.3	10.7	12.1	0.2	0.8	0.1	10.5	6	88	960	2.3	144	10	0.00
LWB	171	15APR96:08:16	9.5	10.4	10.9	10.9	10.8	11.4	11.8	0.3	1.1	-0.3	11.4	7	79	958	2.7	187	44	0.00
LWB	172	15APR96:14:14	11.8	12.5	12.7	12.8	12.7	13.1	13.5	0.2	0.7	0.2	13.1	78	94	954	3.5	198	10	0.00

GRAYLING II, DECIDUOUS (RED OAK) TREE FEATURE, LWB DATA

WAVEBAND	VERSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	72	23MAY94:23:25	-10.7	-6.7	-5.6	-5.3	-5.5	-4.4	-2.1	0.6	2.3	-1.2	-3.2	0	92	965	0.5	190	42	0.00
LWB	73	23MAY94:05:35	-12.3	-9.0	-8.2	-7.9	-8.0	-6.6	-2.6	0.8	2.4	-0.1	-7.2	0	92	965	0.0	90	56	0.00
LWB	74	23MAY94:11:50	3.7	8.6	11.5	11.1	10.8	12.2	13.6	1.1	3.6	-1.6	10.4	737	35	964	4.8	264	50	0.00
LWB	75	23MAY94:14:19	2.2	9.1	13.1	12.8	12.4	14.6	17.6	1.7	5.5	-1.3	11.9	665	34	962	5.9	230	56	0.00
LWB	76	23MAY94:20:33	-3.1	2.1	5.2	4.6	4.3	6.2	7.3	1.5	4.2	-0.6	6.1	0	56	962	1.6	222	50	0.00
LWB	77	23MAY94:14:17	5.3	10.8	12.0	12.2	12.1	13.4	15.9	0.9	2.6	-1.0	8.9	682	43	965	2.6	86	50	0.00
LWB	78	23MAY94:19:10	0.3	2.3	3.7	3.5	3.3	4.7	6.2	0.7	2.4	0.3	4.8	0	51	965	2.5	59	50	0.00
LWB	80	23MAY94:22:08	-1.4	-0.6	-0.1	0.1	0.0	0.9	2.2	0.5	1.5	0.4	0.8	0	73	965	1.9	62	50	0.00
LWB	81	24MAY94:09:04	-0.8	0.3	0.6	0.6	0.5	1.0	1.4	0.2	0.7	0.1	0.6	35	94	957	1.3	245	6	0.00
LWB	82	24MAY94:14:48	-1.6	-0.7	-0.3	-0.2	-0.3	0.3	0.9	0.3	1.0	0.3	-0.3	206	79	962	5.2	267	13	0.00
LWB	83	24MAY94:21:31	-7.0	-6.1	-5.8	-5.8	-5.8	-5.3	-4.6	0.5	0.8	0.2	-5.1	0	72	972	4.6	306	50	0.00
LWB	84	24MAY94:22:05	-7.3	-6.7	-6.3	-6.2	-6.3	-5.8	-5.5	0.3	0.9	0.3	-5.2	0	73	972	3.7	309	49	0.00
LWB	85	25MAY94:06:46	-8.5	-7.7	-7.4	-7.3	-7.4	-6.7	-5.8	0.3	1.0	0.7	-6.7	7	78	976	3.4	316	50	0.00
LWB	86	25MAY94:09:17	-3.6	-2.8	-2.5	-1.8	-1.8	-0.3	1.6	0.8	2.5	0.7	-5.3	446	64	977	3.8	319	50	0.00
LWB	87	25MAY94:20:17	-9.4	-6.8	-5.6	-5.5	-5.5	-4.0	-2.0	0.9	2.8	-0.8	-3.3	0	56	978	1.5	0	50	0.00
LWB	88	25MAY94:23:42	-13.1	-11.7	-11.0	-10.7	-10.5	-8.3	-6.2	1.0	3.3	1.2	-8.8	0	85	978	0.8	94	50	0.00
LWB	89	26MAY94:07:48	-7.2	-6.4	-5.9	-5.8	-5.9	-5.3	-4.4	0.4	1.1	0.2	-5.4	66	75	977	0.8	148	50	0.00
LWB	90	26MAY94:10:50	2.7	3.9	4.9	5.2	5.2	6.9	10.7	0.9	3.0	0.5	3.7	628	49	975	4.4	215	50	0.00
LWB	96	27MAY94:10:32	-1.7	-0.9	-0.3	-0.3	-0.3	0.5	1.8	0.4	1.5	0.4	-0.8	174	88	963	0.1	119	9	0.00
LWB	97	28MAY94:08:06	-4.5	-3.7	-3.3	-3.3	-3.4	-2.9	-1.9	0.3	0.8	0.5	-3.1	63	96	967	1.5	253	0	0.00
LWB	98	28MAY94:13:44	2.8	3.7	4.1	4.5	4.5	5.6	8.8	0.7	2.1	1.2	2.6	336	67	968	3.8	302	50	0.00
LWB	99	28MAY94:15:07	2.7	3.6	3.9	4.2	4.2	5.2	6.8	0.5	1.6	0.8	2.6	295	64	969	3.8	284	50	0.00
LWB	100	28MAY94:19:28	-6.8	-5.8	-3.7	-3.5	-3.4	-1.3	1.8	1.2	3.7	0.5	-1.2	0	78	970	0.8	90	50	0.00
LWB	101	29MAY94:05:52	-6.2	-5.2	-4.5	-4.5	-4.5	-3.4	0.2	0.9	1.8	0.5	-3.7	0	96	973	0.8	90	5	0.00
LWB	102	29MAY94:20:44	-6.8	-5.1	-4.3	-4.2	-4.3	-3.5	-1.8	0.5	1.7	-0.2	-2.9	0	87	980	0.8	38	0	0.00
LWB	103	29MAY94:21:57	-8.8	-6.2	-5.1	-5.1	-5.2	-4.1	-1.6	0.7	2.2	-0.2	-3.6	0	80	981	0.6	356	16	0.00
LWB	104	29MAY94:23:12	-10.4	-7.8	-6.6	-6.4	-6.4	-5.0	-3.5	0.8	2.7	-0.4	-5.5	0	92	981	0.2	37	11	0.00
LWB	105	30MAY94:05:15	-8.9	-7.6	-7.0	-6.8	-6.9	-5.8	-4.8	0.6	1.6	0.6	-5.2	0	80	982	1.5	330	50	0.00
LWB	106	30MAY94:11:21	0.1	1.1	2.4	2.7	2.8	5.0	7.8	1.2	3.6	0.4	-1.0	761	55	984	2.8	306	50	0.00
LWB	107	30MAY94:14:14	1.5	3.8	1.0	4.6	4.6	7.1	10.7	1.3	4.1	0.8	1.8	786	47	982	4.5	281	50	0.00
LWB	108	30MAY94:18:42	-4.5	-3.2	-2.5	-2.2	-2.2	-0.6	1.5	0.8	2.4	0.7	0.4	18	56	981	1.1	251	50	0.00
LWB	109	31MAY94:04:02	-13.6	-11.8	-10.8	-9.9	-9.8	-8.1	-5.5	0.9	3.8	0.6	-6.3	0	89	977	0.8	90	16	0.00
LWB	110	31MAY94:06:35	-11.8	-9.7	-9.1	-9.8	-9.8	-7.8	-4.6	0.6	2.8	1.0	-7.9	15	90	977	0.5	214	16	0.00
LWB	111	31MAY94:10:23	3.3	4.2	4.8	5.0	5.0	6.2	7.3	0.6	2.1	0.3	3.3	473	50	975	3.5	255	50	0.00
LWB	112	31MAY94:14:52	7.3	8.5	9.2	9.4	9.5	11.5	15.3	1.0	3.0	1.4	7.9	328	34	971	3.8	220	50	0.00
LWB	113	01APR94:00:12	-7.8	-5.8	-2.9	-2.9	-3.2	-1.6	0.2	1.1	3.4	-0.5	-1.2	0	65	971	0.5	221	50	0.00
LWB	114	01APR94:02:26	-10.3	-7.9	-7.0	-6.6	-6.6	-5.0	-3.3	0.9	2.9	0.0	-5.6	0	90	971	0.0	90	16	0.00
LWB	115	01APR94:04:07	-10.0	-8.2	-7.6	-7.3	-7.3	-5.9	-4.5	0.7	2.2	0.5	-6.5	0	89	971	0.9	95	13	0.00
LWB	116	01APR94:23:14	-5.5	-3.9	-2.8	-2.7	-2.7	-1.4	0.3	0.8	2.5	0.8	-0.6	0	47	975	0.8	132	50	0.00
LWB	117	02APR94:01:05	-4.1	-3.0	-2.5	-2.4	-2.5	-1.6	-0.5	0.4	1.5	0.3	-0.8	0	51	972	1.6	115	50	0.00

GRAYLING II, DECIDUOUS (RED OAK) TREE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	29	11MAY94:01:39	-13.7	-11.8	-10.7	-10.5	-10.5	-8.9	-6.8	0.8	2.8	0.3	-7.9	0	78	983	0.8	353	50	0.00
LWB	30	11MAY94:11:18	-1.6	0.1	1.2	2.1	2.1	4.5	7.7	1.3	4.4	0.4	-2.2	622	61	986	0.9	61	50	0.00
LWB	31	11MAY94:13:35	-0.9	1.5	3.6	3.7	3.7	5.6	8.1	1.2	4.1	-0.2	.	.	.	.	.	.	.	.
LWB	32	11MAY94:19:09	-9.6	-7.2	-6.0	-5.7	-5.5	-3.8	0.0	1.3	4.2	0.7	-3.2	0	72	986	0.0	90	50	0.00
LWB	33	12MAY94:02:18	-12.9	-12.0	-11.2	-10.9	-10.9	-9.3	-6.9	0.8	2.6	0.8	-10.4	0	87	986	0.5	65	50	0.00
LWB	34	12MAY94:04:25	-10.3	-9.3	-8.6	-8.5	-8.6	-7.6	-4.4	0.6	1.8	1.3	-7.9	0	86	986	0.4	220	50	0.00
LWB	35	12MAY94:09:41	-4.2	-3.3	-2.8	-2.6	-2.7	-2.1	-1.6	0.4	1.2	-0.5	-2.5	124	66	983	1.8	174	50	0.00
LWB	36	12MAY94:18:29	-2.1	-1.5	-1.1	-1.0	-1.1	-0.7	3.0	0.5	0.8	3.2	-0.7	2	92	978	0.8	291	3	0.00
LWB	37	13MAY94:00:25	-4.5	-3.9	-3.5	-3.4	-3.5	-3.1	0.3	0.3	0.8	2.4	-2.6	0	92	979	0.6	283	2	0.00
LWB	38	13MAY94:02:25	-8.4	-6.5	-5.0	-5.1	-5.3	-4.2	-3.3	0.8	2.3	-0.5	-5.0	0	..	978	0.0	90	2	0.00
LWB	39	13MAY94:14:46	0.3	3.6	7.2	7.3	7.0	10.2	17.1	2.0	6.6	-0.1	2.8	561	58	974	0.8	194	50	0.00
LWB	40	13MAY94:18:47	-7.0	-5.0	-3.6	-3.6	-3.6	-1.8	0.3	1.0	3.2	0.3	-2.5	0	83	974	0.0	90	50	0.00
LWB	41	14MAY94:05:13	-11.4	-8.9	-8.0	-7.9	-8.1	-6.9	-5.8	0.6	2.8	-0.3	.	.	.	.	.	.	.	.
LWB	42	14MAY94:14:34	-1.5	-0.9	-0.5	-0.4	-0.5	0.1	2.0	0.3	1.0	0.5	-0.3	110	89	958	3.3	217	12	0.00
LWB	43	14MAY94:18:01	-1.5	-0.8	-0.4	-0.3	-0.4	0.1	0.5	0.3	0.9	0.0	0.6	16	89	956	1.6	232	9	0.00
LWB	44	14MAY94:19:43	-2.9	-2.0	-1.6	-1.5	-1.6	-1.0	-0.5	0.3	1.0	-0.4	0.1	0	90	956	1.6	214	50	0.00
LWB	46	15MAY94:06:36	-2.1	-1.3	-0.9	-0.9	-1.0	-0.5	-0.1	0.2	0.8	0.3	-0.1	0	94	956	1.0	274	.	0.00
LWB	47	15MAY94:09:48	-5.3	-2.8	-2.5	-2.4	-2.4	-1.8	-1.3	0.5	1.0	-0.3	-2.1	134	81	958	4.8	344	.	0.00
LWB	48	15MAY94:13:09	-5.1	-4.1	-3.5	-3.3	-3.4	-2.5	-1.7	0.5	1.5	-0.0	-5.1	483	66	962	4.2	324	.	0.00
LWB	49	16MAY94:05:14	-17.7	-16.2	-15.7	-15.6	-15.7	-14.8	-13.3	0.5	1.4	0.3	-12.6	0	61	970	4.7	0	50	0.00
LWB	50	16MAY94:13:52	-10.1	-8.3	-7.0	-6.6	-6.6	-6.2	-0.4	1.3	4.2	0.5	-9.6	720	44	973	4.3	340	50	0.00
LWB	51	16MAY94:17:02	-11.3	-9.3	-8.6	-8.1	-7.8	-6.9	-1.2	1.4	4.4	1.2	-8.6	268	60	973	5.8	354	50	0.00
LWB	52	16MAY94:18:21	-14.0	-12.6	-12.2	-11.6	-11.3	-8.9	-5.6	1.2	3.7	1.5	-10.0	19	67	974	6.1	321	50	0.00
LWB	53	17MAY94:09:03	-10.1	-9.0	-7.1	-7.5	-7.6	-5.8	-4.1	1.0	3.3	0.1	-11.2	484	61	973	1.0	350	50	0.00
LWB	55	17MAY94:14:19	-3.3	-1.5	0.3	0.3	0.2	2.2	4.1	1.1	3.6	0.5	-2.4	558	58	969	1.7	229	50	0.00
LWB	56	17MAY94:17:02	-4.4	-2.9	-2.4	-2.4	-2.5	-1.8	-0.8	0.3	1.1	-0.4	-2.5	70	39	966	0.8	239	50	0.00
LWB	57	18MAY94:07:55	-8.4	-7.7	-7.4	-7.3	-7.4	-6.9	-6.1	0.2	0.8	-0.2	-6.5	7	92	955	2.3	54	0	0.00
LWB	58	18MAY94:10:16	-6.6	-5.8	-5.1	-5.0	-5.1	-4.2	-3.4	0.5	1.6	0.1	-6.5	18	73	962	5.2	332	50	0.00
LWB	59	18MAY94:19:35	-11.7	-9.9	-7.6	-7.7	-8.0	-6.2	-5.6	1.1	3.7	-0.5	-5.3	0	77	963	1.9	325	50	0.00
LWB	60	18MAY94:20:52	-14.1	-12.0	-9.8	-9.6	-9.7	-7.7	-6.3	1.3	4.3	-0.5	-6.4	0	85	964	1.6	317	50	0.00
LWB	61	19MAY94:02:37	-26.1	-19.4	-13.5	-14.9	-15.3	-12.5	-7.8	2.2	6.9	-0.8	-13.8	0	76	967	0.0	90	50	0.00
LWB	62	19MAY94:03:24	-25.7	-21.7	-16.3	-17.2	-17.7	-14.5	-12.8	2.2	7.3	-0.6	-17.0	0	79	967	0.0	90	50	0.00
LWB	63	19MAY94:16:13	-2.7	-0.3	1.6	3.1	3.2	7.7	14.4	2.5	8.1	0.6	1.2	437	38	966	4.0	325	50	0.00
LWB	64	19MAY94:17:48	-5.7	-3.4	-1.7	-0.9	-0.6	3.3	8.4	2.1	6.8	0.7	0.2	87	61	966	5.4	313	50	0.00
LWB	65	20MAY94:01:10	-19.7	-17.6	-16.1	-16.0	-15.9	-13.2	-10.8	1.3	4.3	0.8	-16.7	0	86	971	1.0	12	50	0.00
LWB	67	20MAY94:17:25	0.7	3.2	6.4	5.6	5.5	7.7	9.6	1.4	4.6	-0.2	6.5	113	34	968	2.0	157	50	0.00
LWB	68	20MAY94:22:07	-2.6	-1.7	-1.2	-1.1	-1.2	-0.4	0.5	0.4	1.3	0.4	-0.1	0	60	967	1.6	137	50	0.00
LWB	69	21MAY94:04:39	-2.6	-2.0	-1.6	-1.6	-1.6	-1.2	-0.8	0.2	0.8	-0.5	-0.9	0	86	960	1.6	130	6	0.00
LWB	70	21MAY94:06:51	-2.5	-2.0	-1.6	-1.6	-1.7	-1.3	-0.4	0.2	0.7	0.4	-1.1	1	96	958	1.1	61	2	0.00
LWB	71	21MAY94:22:13	-10.2	-6.4	-5.2	-5.1	-5.3	-4.3	-2.5	0.7	2.2	-1.1	-3.8	0	95	964	0.4	199	5	0.00

GRAYLING II, DECIDUOUS (RED OAK) TREE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	117	02APR94:01:05	-2.7	-1.4	-0.7	-0.6	-0.7	0.5	1.8	0.5	1.7	0.3	-0.8	0	51	972	1.6	115	50	0.00
SWB	118	02APR94:20:38	-3.8	-2.4	-1.8	-1.5	-1.6	-0.6	0.6	0.6	1.9	-0.2	-2.1	0	66	968	7.8	323	45	0.00
SWB	119	02APR94:22:13	-5.5	-3.8	-3.1	-3.0	-3.1	-2.2	-0.8	0.5	1.7	-0.1	-3.9	0	73	969	4.6	318	50	0.00
SWB	120	02APR94:23:21	-5.8	-4.3	-3.7	-3.6	-3.7	-2.7	-1.5	0.5	1.6	0.1	-4.7	0	75	969	4.7	320	50	0.00
SWB	121	05APR94:05:19	-7.4	-6.1	-5.5	-5.3	-5.5	-4.4	-3.4	0.5	1.7	0.2	-6.2	0	81	972	2.3	302	5	0.00
SWB	122	05APR94:14:05	5.2	9.1	12.3	12.8	12.9	17.2	20.9	2.5	8.2	0.1	2.9	788	54	972	3.3	298	50	0.00
SWB	123	05APR94:18:36	-0.4	1.8	3.2	3.5	3.5	5.8	9.2	1.3	4.0	0.5	2.5	34	32	972	3.1	299	50	0.00
SWB	124	05APR94:19:25	-3.6	-1.6	-0.2	-0.1	-0.2	1.3	3.4	0.9	2.9	-0.2	0.0	0	36	972	0.9	264	50	0.00
SWB	125	06APR94:02:53	-9.1	-6.7	-5.5	-5.2	-5.5	-4.0	-2.6	0.9	2.7	-0.0	-6.5	0	69	971	0.9	203	50	0.00
SWB	126	06APR94:06:49	-5.8	-4.1	-3.3	-3.1	-3.3	-2.2	-1.2	0.6	2.0	-0.1	-6.0	25	86	971	1.0	221	50	0.00
SWB	127	06APR94:09:52	4.8	6.6	7.2	7.6	7.3	8.6	10.6	0.6	2.0	-0.2	4.5	236	46	970	3.5	233	50	0.00
SWB	128	06APR94:13:27	6.8	8.1	8.7	8.9	8.7	9.4	10.7	0.6	1.3	0.2	8.3	120	34	967	5.8	218	50	0.00
SWB	129	05APR94:03:05	-4.9	-3.3	-2.6	-2.5	-2.6	-1.5	-0.3	0.6	1.8	-0.4	-3.4	0	93	967	-	-	5	0.00
SWB	130	05APR94:13:26	-2.6	-1.1	-0.3	-0.2	-0.3	0.8	2.5	0.6	1.9	0.3	-2.0	314	82	972	2.1	3	50	0.00
SWB	131	05APR94:17:44	-4.1	-2.7	-1.9	-1.8	-1.9	-0.7	0.3	0.6	2.0	0.2	-2.8	91	72	973	2.0	7	50	0.00
SWB	132	05APR94:18:19	-4.4	-3.0	-2.2	-2.0	-2.2	-1.1	-0.2	0.6	1.9	-0.3	-3.1	43	74	973	1.6	7	50	0.00
SWB	133	06APR94:09:19	1.1	2.7	3.5	4.2	4.1	6.8	9.6	1.0	3.2	0.3	-3.9	607	67	976	1.9	43	50	0.00
SWB	134	06APR94:10:59	1.1	2.5	3.3	3.5	3.4	4.8	7.0	0.7	2.3	0.4	-2.3	693	60	976	4.5	35	50	0.00
SWB	135	06APR94:14:25	3.5	6.0	7.6	8.2	8.3	11.3	15.2	1.6	5.5	0.6	-0.2	545	46	976	4.7	32	50	0.00
SWB	136	06APR94:17:38	0.1	1.4	2.3	2.6	2.3	3.6	5.5	0.6	2.0	0.3	-0.9	179	63	976	3.0	31	50	0.00
SWB	137	07APR94:07:42	-1.4	0.7	2.0	2.9	2.7	5.2	13.5	1.4	4.5	0.5	-7.2	310	69	982	0.7	298	50	0.00
SWB	138	07APR94:10:10	2.6	6.6	8.5	9.2	9.6	14.0	21.5	2.4	7.4	1.1	4.0	110	33	983	2.1	337	50	0.00
SWB	139	07APR94:19:03	-3.8	-0.8	1.0	1.4	1.4	4.2	8.4	1.6	5.0	0.3	2.1	5	41	983	8.0	326	50	0.00
SWB	140	07APR94:20:24	-8.2	-4.9	-3.3	-3.1	-3.3	-1.2	1.7	1.1	3.7	0.3	-4.7	0	79	984	8.6	4	50	0.00
SWB	143	13APR94:13:55	5.4	6.6	7.3	7.3	7.2	8.1	8.8	0.5	1.5	0.1	6.4	79	90	957	1.5	258	50	0.00
SWB	144	13APR94:14:37	4.9	6.8	6.7	6.9	6.8	7.7	8.6	0.5	1.6	-0.0	5.6	55	91	957	1.6	256	50	0.00
SWB	145	14APR94:02:05	3.5	4.8	5.6	5.5	5.6	6.2	6.9	0.4	1.4	-0.2	4.7	0	90	960	2.6	230	9	0.00
SWB	146	14APR94:05:43	2.6	3.8	4.5	4.5	4.6	5.6	6.8	0.5	1.6	0.0	4.3	0	91	961	1.6	266	6	0.00
SWB	147	14APR94:15:15	20.8	22.5	24.2	24.3	24.5	26.9	30.2	1.3	4.4	0.4	19.3	645	52	963	2.8	271	50	0.00
SWB	148	14APR94:16:36	20.4	22.5	23.9	24.2	24.3	26.4	29.9	1.2	3.9	0.4	19.2	433	51	964	2.1	253	50	0.00
SWB	169	15APR94:02:36	7.8	8.4	9.2	9.3	9.1	9.9	10.7	0.5	1.5	0.1	8.9	0	73	963	8.0	164	50	0.00
SWB	170	15APR94:06:23	9.7	10.8	11.5	11.5	11.6	12.8	12.7	0.4	1.2	-0.2	10.5	6	88	960	2.5	144	10	0.00
SWB	171	15APR94:08:16	10.6	11.5	12.8	12.1	12.8	12.7	13.2	0.4	1.2	-0.2	11.4	7	79	958	2.7	107	44	0.00
SWB	172	15APR94:14:14	12.2	13.0	13.4	13.5	13.4	14.1	14.7	0.3	1.1	0.2	13.1	78	94	954	3.5	100	10	0.00

GRAYLING II, DECIDUOUS (RED OAK) TREE FEATURE, SWB DATA

MMDDHHMM	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
[illegible]	71	21MAR94:22:13	-6.9	-4.1	-3.0	-3.0	-3.1	-1.9	-0.7	0.7	2.2	-0.4	-3.8	0	95	964	0.4	199	5	0.00
[illegible]	72	21MAR94:23:25	-6.7	-4.1	-3.0	-2.9	-3.1	-1.9	-0.4	0.7	2.2	-0.1	-3.2	0	92	965	0.5	190	42	0.00
[illegible]	73	22MAR94:03:35	-6.5	-4.3	-5.3	-5.2	-5.3	-4.0	-2.6	0.7	2.3	0.2	-7.2	0	92	96>	0.0	90	50	0.00
[illegible]	74	22MAR94:11:50	7.3	12.1	14.2	14.2	14.0	15.7	18.2	1.2	3.4	-1.1	10.4	737	35	964	4.8	244	50	0.00
[illegible]	75	22MAR94:14:19	8.5	14.8	16.2	16.2	16.1	18.1	21.1	1.2	4.1	-0.4	11.9	683	34	962	5.9	250	50	0.00
[illegible]	76	22MAR94:20:33	2.3	4.8	6.7	6.6	6.5	7.9	9.1	1.0	3.1	-0.7	6.1	0	56	962	1.6	232	50	0.00
[illegible]	77	23MAR94:14:17	10.1	13.3	14.3	14.3	14.3	15.7	17.8	0.8	2.4	0.1	8.9	482	43	965	2.6	86	50	0.00
[illegible]	78	23MAR94:19:10	2.3	4.0	4.9	5.0	4.9	6.2	7.6	0.7	2.2	0.4	4.0	0	51	965	2.5	59	50	0.00
[illegible]	80	23MAR94:22:08	-0.3	1.1	1.7	1.9	1.8	2.7	4.4	0.5	1.7	-0.1	0.8	0	73	965	1.9	62	50	0.00
[illegible]	81	24MAR94:00:06	0.2	1.4	2.2	2.2	2.0	3.0	3.8	0.5	1.5	0.2	0.6	35	96	957	1.3	265	6	0.00
[illegible]	82	24MAR94:14:48	-0.7	0.8	1.6	1.7	1.6	2.5	3.5	0.5	1.7	-0.1	-0.3	286	79	962	5.2	267	13	0.00
[illegible]	83	24MAR94:21:31	-6.6	-4.9	-4.1	-4.0	-4.1	-3.1	-2.0	0.6	1.7	-0.1	-5.1	0	72	972	4.6	306	50	0.00
[illegible]	84	24MAR94:22:05	-6.6	-5.0	-4.1	-4.1	-4.3	-3.1	-2.0	0.6	1.9	0.2	-5.2	0	73	972	3.7	300	49	0.00
[illegible]	85	25MAR94:06:46	-8.5	-6.6	-5.8	-5.6	-5.8	-4.6	-3.4	0.5	2.0	0.1	-6.7	7	78	976	3.4	316	50	0.00
[illegible]	86	25MAR94:09:17	-8.8	0.8	2.5	3.1	3.1	5.7	8.5	1.5	4.9	0.1	-5.3	446	64	977	3.8	319	50	0.00
[illegible]	87	25MAR94:20:17	-7.8	-5.0	-3.8	-3.7	-3.8	-2.3	-0.3	0.9	2.7	0.1	-3.3	0	58	978	1.5	0	50	0.00
[illegible]	88	25MAR94:23:42	-11.6	-9.8	-8.5	-8.4	-8.4	-6.3	-4.0	1.0	3.5	0.5	-8.8	0	85	978	0.8	90	50	0.00
[illegible]	89	26MAR94:07:48	-6.3	-4.6	-3.7	-3.6	-3.7	-2.6	-1.5	0.6	2.0	-0.1	-5.4	66	75	977	0.8	148	50	0.00
[illegible]	90	26MAR94:10:50	4.8	6.7	8.9	9.0	8.9	11.3	14.1	1.4	4.6	0.1	2.7	628	49	975	4.4	215	50	0.00
[illegible]	96	27MAR94:10:32	-1.2	0.3	1.1	1.2	1.1	2.2	3.4	0.6	1.8	0.2	-0.8	176	88	963	0.1	119	9	0.00
[illegible]	97	28MAR94:08:06	-3.4	-2.2	-1.5	-1.4	-1.5	-0.4	0.8	0.5	1.7	0.1	-3.1	63	96	967	1.5	253	0	0.00
[illegible]	98	28MAR94:13:44	4.1	5.4	6.3	6.6	6.6	8.2	10.5	0.8	2.8	0.5	2.6	326	67	966	3.0	302	50	0.00
[illegible]	99	28MAR94:19:07	3.8	5.0	5.6	5.8	5.8	7.1	8.7	0.7	2.1	0.3	2.6	295	64	969	3.8	284	50	0.00
[illegible]	100	28MAR94:19:20	-6.7	-5.0	-1.9	-1.5	-1.5	0.5	2.6	1.1	3.5	0.3	-1.2	0	78	970	0.0	90	50	0.00
[illegible]	101	29MAR94:05:52	-5.6	-3.8	-2.9	-2.9	-3.0	-1.8	-0.3	0.6	2.1	0.2	-3.7	0	94	973	0.0	90	5	0.00
[illegible]	102	29MAR94:20:44	-5.3	-3.7	-2.7	-2.6	-2.7	-1.6	-0.3	0.6	2.1	-0.2	-2.9	0	87	980	0.0	20	0	0.00
[illegible]	103	29MAR94:21:57	-7.5	-4.7	-3.6	-3.4	-3.6	-2.3	-1.1	0.7	2.4	-0.4	-3.6	0	89	981	0.6	356	14	0.00
[illegible]	104	29MAR94:23:12	-8.0	-5.8	-4.6	-4.5	-4.6	-3.0	-1.4	0.9	2.6	0.0	-5.5	0	92	981	0.2	37	11	0.00
[illegible]	105	30MAR94:05:15	-7.7	-6.0	-5.0	-4.9	-5.0	-3.7	-2.3	0.7	2.2	0.2	-5.2	0	80	982	1.5	330	50	0.00
[illegible]	106	30MAR94:11:21	1.8	4.1	6.3	7.1	7.2	10.6	13.9	2.0	6.4	0.1	-1.0	761	55	984	2.8	304	50	0.00
[illegible]	107	30MAR94:14:14	6.2	7.5	10.9	10.9	10.9	14.6	17.7	2.2	7.1	0.1	1.6	786	47	982	4.3	281	50	0.00
[illegible]	108	30MAR94:18:42	-3.3	-1.5	-0.6	-0.2	-0.3	1.1	3.1	0.6	2.6	0.1	-0.6	18	56	981	1.1	251	50	0.00
[illegible]	109	31MAR94:04:02	-11.4	-8.7	-7.4	-7.4	-7.5	-5.6	-4.0	0.9	2.9	0.2	-8.3	0	89	977	0.0	90	14	0.00
[illegible]	110	31MAR94:06:35	-7.5	-5.5	-4.7	-4.6	-4.6	-2.9	-1.4	0.8	2.6	0.3	-7.9	15	90	977	0.5	214	14	0.00
[illegible]	111	31MAR94:10:25	5.1	6.6	8.3	8.4	8.3	10.2	12.1	1.1	3.6	0.0	3.5	473	50	975	3.5	255	50	0.00
[illegible]	112	31MAR94:14:52	10.4	12.7	13.9	14.5	14.5	16.6	20.5	1.2	3.9	0.4	7.9	320	34	971	3.8	220	50	0.00
[illegible]	113	01APR94:00:12	-5.2	-2.6	-0.8	-0.8	-1.1	0.3	1.7	0.9	2.9	-0.5	-1.2	0	65	971	0.5	221	50	0.00
[illegible]	114	01APR94:02:26	-7.9	-6.0	-4.7	-4.6	-4.7	-3.3	-1.9	0.8	2.7	-0.0	-5.6	0	90	971	0.0	90	14	0.00
[illegible]	115	01APR94:04:07	-8.2	-6.3	-5.5	-5.2	-5.3	-4.0	-2.4	0.7	2.3	0.1	-6.5	0	89	971	0.9	55	13	0.00
[illegible]	116	01APR94:23:16	-3.6	-1.8	-0.7	-0.6	-0.7	0.6	2.2	0.7	2.3	-0.1	-0.6	0	47	973	0.8	132	50	0.00

GRAYLING II, DECIDUOUS (RED OAK) TREE FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DN)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (m/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	29	11MAY94:01:39	-11.2	-9.2	-8.2	-8.0	-8.2	-6.7	-4.6	0.8	2.5	0.3	-7.9	0	78	983	0.8	353	50	0.00
SWB	30	11MAY94:11:10	-0.2	3.1	5.1	5.8	5.0	9.3	12.7	1.9	6.2	0.2	-2.2	422	61	988	0.9	61	50	0.00
SWB	31	11MAY94:13:35	1.6	4.5	7.1	7.6	7.5	10.3	13.7	1.7	5.7	-0.2	.	.	.	.	.	.	.	.
SWB	32	11MAY94:19:09	-7.7	-5.3	-4.0	-3.8	-3.8	-1.6	1.2	1.2	3.7	0.5	-3.2	0	72	986	0.0	90	50	0.00
SWB	33	12MAY94:02:10	-11.8	-9.9	-8.9	-8.7	-8.9	-7.2	-5.3	0.8	2.7	0.5	-10.4	0	87	986	0.5	65	50	0.00
SWB	34	12MAY94:06:23	-0.1	-7.2	-6.4	-6.3	-6.4	-5.2	-4.0	0.6	2.0	0.1	-7.9	0	86	986	0.4	220	50	0.00
SWB	35	12MAY94:09:41	-2.9	-1.6	-0.6	-0.4	-0.6	0.3	1.4	0.5	1.7	-0.3	-2.5	124	66	985	1.8	176	50	0.00
SWB	36	12MAY94:10:29	-1.8	-0.6	0.1	0.2	0.1	1.0	1.8	0.4	1.5	-0.0	-0.7	2	92	978	0.0	291	3	0.00
SWB	37	13MAY94:08:25	-4.1	-3.0	-2.2	-2.2	-2.3	-1.4	-0.4	0.5	1.6	-0.8	-2.6	0	92	979	0.6	285	2	0.00
SWB	38	13MAY94:02:25	-6.9	-4.4	-3.1	-3.0	-3.3	-2.0	-0.8	0.7	2.4	-0.3	-3.0	0	91	978	0.0	90	2	0.00
SWB	39	13MAY94:14:44	2.5	6.6	10.4	10.5	10.3	13.5	19.2	2.0	6.7	-0.3	2.8	561	56	974	0.8	195	50	0.00
SWB	40	13MAY94:18:47	-5.5	-3.0	-1.8	-1.8	-1.8	-0.3	1.7	0.8	2.7	-0.8	-2.5	0	83	974	0.0	90	50	0.00
SWB	41	14MAY94:05:13	-0.2	-6.6	-5.6	-5.5	-5.6	-4.5	-3.0	0.7	2.3	-0.1	.	.	.	.	.	.	.	.
SWB	42	14MAY94:14:36	-1.1	0.3	1.0	1.1	1.0	1.9	2.9	0.5	1.6	0.1	-0.3	118	89	956	3.3	217	12	0.00
SWB	43	14MAY94:18:01	-0.4	0.8	1.6	1.7	1.6	2.4	3.2	0.5	1.6	-0.3	0.6	16	89	954	1.6	232	9	0.00
SWB	44	14MAY94:19:43	-1.6	-0.3	0.5	0.5	0.3	1.3	2.2	0.5	1.6	0.2	0.1	0	90	956	1.6	214	50	0.00
SWB	46	15MAY94:06:36	-1.5	-0.3	0.3	0.5	0.3	1.3	2.2	0.5	1.6	0.1	-0.1	0	94	956	1.8	276	.	0.00
SWB	47	15MAY94:09:48	-2.3	-1.0	-0.2	-0.1	-0.2	0.7	1.7	0.5	1.7	-0.3	-2.1	134	81	958	4.8	344	.	0.00
SWB	48	15MAY94:13:09	-3.4	-1.8	-0.7	-0.6	-0.7	0.6	1.7	0.7	2.3	-0.1	-5.1	485	68	962	4.2	326	.	0.00
SWB	49	16MAY94:05:14	-15.0	-13.3	-12.6	-12.4	-12.6	-11.2	-9.9	0.7	2.1	0.2	-12.6	0	61	979	4.7	0	50	0.00
SWB	50	16MAY94:13:52	-6.0	-2.3	0.2	1.7	1.7	5.6	9.9	2.5	7.9	-0.1	-9.4	728	44	973	1.3	340	50	0.00
SWB	51	16MAY94:17:02	-4.7	-1.4	1.4	1.8	1.7	5.0	10.4	2.0	6.4	0.2	-5.6	266	48	973	5.8	356	50	0.00
SWB	52	16MAY94:18:21	-10.7	-7.9	-6.3	-5.6	-5.5	-2.3	3.9	1.8	5.6	0.8	-10.0	19	47	976	6.1	321	50	0.00
SWB	53	17MAY94:09:03	-7.2	-4.4	-2.3	-1.9	-1.9	1.2	5.7	1.8	5.6	0.2	-11.2	484	61	973	1.0	350	50	0.00
SWB	54	17MAY94:10:12	-4.6	-1.6	-0.1	1.3	1.4	5.0	8.2	2.0	6.6	0.2	-8.0	535	42	973	1.5	295	50	0.00
SWB	55	17MAY94:14:19	0.5	2.7	5.6	5.5	5.4	8.0	10.7	1.6	5.2	-0.2	-2.4	556	38	969	1.7	229	50	0.00
SWB	56	17MAY94:17:02	-3.1	-1.8	-0.8	-0.7	-0.8	0.2	1.6	0.6	2.0	-0.3	-2.5	70	39	966	0.8	239	50	0.00
SWB	57	18MAY94:07:55	-8.2	-6.1	-5.3	-5.2	-5.3	-4.3	-3.4	0.6	1.8	-0.4	-6.5	7	92	955	2.3	54	0	0.00
SWB	58	18MAY94:10:16	-6.1	-4.4	-3.6	-3.5	-3.6	-2.3	-0.8	0.7	2.1	-0.2	-4.5	18	75	962	5.2	332	50	0.00
SWB	59	18MAY94:19:35	-10.3	-7.2	-5.3	-5.3	-5.6	- 0	-2.6	1.8	3.2	..3	5.3	0	77	963	1.9	325	50	0.00
SWB	60	18MAY94:20:52	-11.8	-8.9	-6.9	-6.7	-6.9	-5.0	-3.4	1.2	3.9	-0.6	-6.4	0	65	964	1.6	317	50	0.00
SWB	61	19MAY94:08:37	-20.7	-14.8	-10.7	-11.0	-11.6	-9.1	-7.5	1.8	5.7	-0.8	-13.8	0	76	967	0.0	90	50	0.00
SWB	62	19MAY94:08:26	-22.6	-17.2	-12.9	-13.3	-13.8	-10.8	-8.5	2.0	6.4	-0.7	-17.0	0	79	967	0.0	90	50	0.00
SWB	63	19MAY94:14:13	1.8	4.9	7.7	8.4	8.6	12.9	19.4	2.5	8.1	0.5	1.2	432	36	960	4.0	323	50	0.00
SWB	64	19MAY94:17:48	-3.1	0.2	1.8	2.9	3.0	6.7	12.4	2.0	6.5	0.6	0.2	87	61	960	3.4	313	50	0.00
SWB	65	20MAY94:01:10	-17.5	-14.2	-12.6	-12.4	-12.6	-10.3	-7.9	1.2	5.9	0.2	-16.7	0	84	971	1.8	12	50	0.00
SWB	67	20MAY94:17:25	2.4	5.2	7.0	7.3	7.2	9.2	11.2	1.2	4.8	-0.3	6.5	113	34	966	2.8	157	50	0.00
SWB	68	20MAY94:22:07	-1.8	-0.1	0.8	0.8	0.7	1.7	3.0	0.5	1.7	-0.3	-0.1	0	68	967	1.6	157	50	0.00
SWB	69	21MAY94:04:39	-1.9	-0.7	-0.1	0.1	-0.1	0.8	1.7	0.5	1.5	-0.1	-0.9	0	84	960	1.4	138	6	0.00
SWB	70	21MAY94:06:51	-2.0	-0.8	-0.1	-0.1	-0.2	0.7	1.8	0.5	1.5	0.1	-1.1	1	94	958	1.1	61	2	0.00

GRAYLING II, DECIDUOUS (RED OAK) TREE FEATURE, SWB DATA

MINIBEAM	IMAGE NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	MEAN SPEED (M/S)	MEAN DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	126	04APR94:06:50	-5.5	-5.1	-4.8	-4.7	-4.8	-4.3	-1.6	0.4	0.8	3.3	-5.7	25	85	971	1.3	308	50	0.00
LWB	127	04APR94:09:54	3.7	4.4	4.6	4.7	4.7	5.4	6.2	0.3	1.0	0.7	4.5	241	44	970	2.5	213	50	0.00
LWB	128	04APR94:13:26	7.8	7.8	8.1	8.1	8.1	8.5	8.9	0.2	0.7	-0.1	8.3	115	34	967	5.1	219	50	0.00
LWB	129	04APR94:17:06	-4.2	-3.7	-3.5	-3.3	-3.3	-2.8	-0.2	0.4	0.9	3.1	-3.4	0	93	967	.	.	3	0.00
LWB	130	05APR94:13:28	-2.9	-2.5	-2.1	-2.0	-2.0	-1.3	-0.9	0.4	1.2	1.9	-2.0	326	81	972	5.2	280	50	0.00
LWB	131	05APR94:17:45	-4.6	-4.0	-3.8	-3.5	-3.6	-3.0	-0.9	0.6	1.0	1.8	-2.8	90	75	973	2.4	356	50	0.00
LWB	132	05APR94:18:28	-4.6	-4.1	-3.8	-3.8	-3.8	-3.5	-2.7	0.3	0.8	0.2	-5.1	43	75	973	1.9	7	50	0.00
LWB	133	06APR94:09:28	-2.6	-1.6	-1.1	-0.9	-0.9	0.2	1.7	0.5	1.8	0.7	-3.3	615	67	976	2.6	56	50	0.00
LWB	134	06APR94:11:00	-2.5	-0.7	0.2	0.3	0.2	1.3	2.5	0.6	2.0	-0.3	-2.4	588	60	976	4.0	37	50	0.00
LWB	135	06APR94:14:26	1.7	2.7	3.3	3.7	3.9	5.9	10.5	1.1	3.3	1.9	-0.3	667	47	976	3.2	31	50	0.00
LWB	136	06APR94:17:39	-2.7	-1.8	-1.6	-1.3	-1.4	-0.5	0.5	0.4	1.3	1.2	-0.9	179	45	976	3.8	31	50	0.00
LWB	137	07APR94:07:42	-5.2	-4.4	-3.5	-3.4	-3.5	-2.2	0.1	0.7	2.2	1.2	-7.2	310	69	982	0.7	288	50	0.00
LWB	138	07APR94:10:21	1.9	2.5	3.1	3.2	3.2	4.2	5.1	0.5	1.7	0.1	3.9	101	34	985	1.4	2	50	0.00
LWB	139	07APR94:19:26	-2.9	-1.3	-0.6	-0.6	-0.7	0.3	1.7	0.5	1.6	0.2	0.5	0	52	985	0.2	307	50	0.00
LWB	140	07APR94:20:17	-6.8	-5.3	-4.8	-4.6	-4.6	-3.7	-2.2	0.5	1.6	0.5	-4.4	0	78	984	0.7	26	50	0.00
LWB	143	13APR94:13:56	5.5	5.8	6.0	6.2	6.1	6.6	7.3	0.3	0.7	0.7	6.4	67	90	957	1.6	289	32	0.00
LWB	144	13APR94:16:26	3.9	4.5	4.7	4.8	4.7	5.1	5.6	0.2	0.6	0.8	5.4	49	91	957	2.7	255	50	0.00
LWB	145	14APR94:02:05	3.5	4.1	4.2	4.3	4.2	4.6	4.9	0.2	0.6	0.4	4.7	0	98	960	1.3	239	8	0.00
LWB	146	14APR94:05:42	1.5	2.2	2.6	2.7	2.5	3.1	3.4	0.3	0.9	0.2	4.4	0	91	961	1.4	256	6	0.00
LWB	147	14APR94:15:14	19.2	19.8	20.3	20.4	20.4	21.5	25.4	0.6	1.7	2.0	19.3	646	31	963	3.1	250	50	0.00
LWB	148	14APR94:16:33	18.7	19.1	19.4	19.4	19.6	20.7	22.2	0.5	1.6	1.3	19.1	434	31	966	1.9	266	50	0.00
LWB	149	15APR94:02:33	7.8	8.1	8.5	8.5	8.5	8.8	9.2	0.2	0.7	-0.9	8.9	0	73	964	1.1	165	50	0.00
LWB	170	15APR94:04:26	9.5	10.1	10.3	10.4	10.4	10.7	11.9	0.2	0.7	0.4	10.5	5	88	968	2.8	136	11	0.00
LWB	171	15APR94:08:17	10.3	10.8	11.0	11.1	11.0	11.5	11.7	0.2	0.7	0.3	11.4	6	79	959	2.9	168	17	0.00
LWB	172	15APR94:14:16	12.2	12.6	12.8	12.8	12.8	13.1	13.4	0.2	0.5	-0.5	13.0	55	94	954	3.7	195	10	0.00

GRAYLING II, DECIDUOUS (BLACK OAK) TREELINE FEATURE, LWB DATA

MINEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	78	23MAR94:19:06	2.6	3.4	3.9	4.0	3.9	4.5	5.1	0.3	1.1	-0.3	4.0	0	52	965	2.2	73	50	0.00
LWB	80	23MAR94:22:10	-1.2	-0.5	-0.3	-0.2	-0.2	0.2	0.6	0.2	0.7	-0.1	0.7	0	76	965	1.5	57	50	0.00
LWB	81	24MAR94:00:11	-0.6	-0.1	0.1	0.3	0.2	0.6	1.0	0.2	0.8	-0.4	0.9	37	95	957	1.9	267	6	0.00
LWB	82	24MAR94:14:47	-1.4	-0.9	-0.8	-0.6	-0.7	-0.2	0.3	0.2	0.7	0.2	-0.3	206	80	962	4.6	256	8	0.00
LWB	83	24MAR94:21:54	-6.9	-6.5	-6.2	-6.1	-6.2	-5.8	-5.6	0.2	0.8	0.4	-5.1	0	72	972	4.6	316	50	0.00
LWB	84	24MAR94:22:05	-7.1	-6.7	-6.5	-6.4	-6.4	-5.8	-5.6	0.3	0.9	0.3	-5.2	0	73	972	3.8	304	50	0.00
LWB	85	25MAR94:06:47	-8.3	-7.8	-7.6	-7.4	-7.4	-6.7	-6.2	0.3	1.1	0.3	-6.7	7	78	976	4.3	323	50	0.00
LWB	86	25MAR94:09:15	-3.5	-2.9	-2.6	-2.4	-2.4	-1.3	0.3	0.5	1.6	1.0	-5.3	442	63	977	4.6	337	50	0.00
LWB	87	25MAR94:20:25	-7.2	-6.3	-5.8	-5.7	-5.8	-5.2	-4.5	0.3	1.1	-0.5	-3.4	0	58	978	1.2	357	50	0.00
LWB	88	25MAR94:23:43	-11.1	-11.4	-11.1	-10.8	-10.8	-9.6	-8.2	0.6	1.8	1.1	-8.8	0	85	978	0.8	90	50	0.00
LWB	89	26MAR94:07:52	-6.8	-6.3	-6.0	-5.9	-6.0	-5.5	-4.9	0.3	0.9	0.7	-5.3	79	75	977	0.5	170	50	0.00
LWB	90	26MAR94:10:51	3.0	3.6	3.9	4.0	4.0	4.6	6.3	0.3	1.0	1.3	2.8	669	49	975	4.4	286	50	0.00
LWB	96	27MAR94:10:46	-0.9	-0.3	0.1	0.1	0.0	0.5	0.8	0.2	0.8	-0.2	-0.8	202	87	965	0.7	126	15	0.00
LWB	97	28MAR94:08:07	-4.4	-3.9	-3.6	-3.5	-3.6	-3.3	-3.0	0.2	0.6	-0.5	-3.1	44	96	967	1.8	259	0	0.00
LWB	99	28MAR94:15:22	1.3	2.0	2.3	2.4	2.3	2.9	3.6	0.3	0.9	0.4	2.3	142	66	969	3.7	299	50	0.00
LWB	100	28MAR94:19:34	-4.5	-3.5	-2.8	-2.8	-2.7	-2.1	-1.3	0.4	1.2	-0.7	-1.7	0	81	970	0.8	90	50	0.00
LWB	101	29MAR94:05:51	-5.4	-4.5	-4.1	-4.1	-4.1	-3.5	-0.7	0.4	1.0	2.2	-3.7	0	94	973	0.0	90	5	0.00
LWB	102	29MAR94:20:57	-6.0	-5.5	-4.9	-4.7	-4.8	-4.2	-2.0	0.4	1.1	2.0	-5.1	0	88	980	0.7	11	10	0.00
LWB	103	29MAR94:21:59	-6.4	-5.8	-5.5	-5.4	-5.4	-4.8	-4.2	0.3	0.9	-0.1	-5.6	0	90	981	0.6	1	16	0.00
LWB	104	29MAR94:23:11	-7.7	-6.4	-5.9	-5.8	-5.9	-5.4	-4.5	0.3	1.0	-0.6	-5.5	0	92	981	0.3	37	11	0.00
LWB	105	30MAR94:05:26	-8.4	-7.9	-7.6	-7.5	-7.5	-6.8	-6.1	0.3	1.1	0.2	-5.6	0	81	982	1.8	326	50	0.00
LWB	106	30MAR94:11:28	0.0	0.8	1.4	1.6	1.6	2.9	4.7	0.7	2.1	0.8	-1.0	759	54	984	4.3	304	50	0.00
LWB	107	30MAR94:14:21	1.3	1.9	2.4	2.6	2.6	3.7	6.0	0.6	1.8	1.4	1.9	585	47	982	3.8	284	50	0.00
LWB	108	30MAR94:18:43	-4.1	-3.1	-2.4	-2.3	-2.5	-1.8	-1.1	0.4	1.3	-0.7	-0.4	16	56	981	2.0	260	50	0.00
LWB	109	31MAR94:06:14	-11.1	-10.2	-9.7	-9.6	-9.6	-8.9	-7.6	0.4	1.3	-0.1	-8.3	0	90	977	0.8	90	14	0.00
LWB	110	31MAR94:06:29	-9.2	-8.5	-8.3	-8.1	-8.1	-7.4	-6.6	0.4	1.2	-0.1	-8.0	0	90	977	0.5	212	14	0.00
LWB	111	31MAR94:10:29	4.8	5.1	5.8	5.8	5.8	6.7	8.9	0.5	1.6	0.9	3.4	651	49	975	3.3	256	50	0.00
LWB	112	31MAR94:16:56	5.5	7.2	7.6	7.7	7.6	8.3	9.3	0.4	1.1	0.5	7.8	268	34	971	3.2	265	50	0.00
LWB	113	01APR94:00:07	-4.2	-2.7	-1.6	-1.6	-1.7	-1.1	-0.1	0.5	1.6	-1.4	-1.1	0	64	971	0.9	289	50	0.00
LWB	114	01APR94:02:27	-8.2	-6.8	-5.8	-5.8	-5.9	-5.0	-1.4	0.6	1.8	1.7	-5.6	0	96	971	0.0	90	15	0.00
LWB	115	01APR94:04:22	-7.8	-6.8	-6.3	-6.2	-6.2	-5.2	-1.6	0.7	1.6	3.6	-6.1	0	86	971	6.5	24	15	0.00
LWB	116	01APR94:23:10	-3.7	-2.9	-2.8	-2.1	-2.2	-1.5	-0.3	0.5	1.4	-0.3	-0.5	0	47	973	1.3	131	50	0.00
LWB	117	02APR94:01:07	-3.5	-2.8	-2.6	-2.5	-2.5	-2.1	-1.7	0.2	0.7	-0.3	-0.8	0	51	972	1.8	186	50	0.00
LWB	118	02APR94:20:35	-4.5	-3.6	-3.5	-3.2	-3.3	-2.6	-1.7	0.3	1.0	0.7	-2.0	0	66	968	7.8	317	50	0.00
LWB	119	02APR94:22:20	-5.2	-4.8	-4.5	-4.5	-4.5	-4.2	-3.8	0.2	0.7	-0.3	-3.9	0	72	969	5.8	330	50	0.00
LWB	121	03APR94:05:17	-7.9	-7.5	-7.2	-7.1	-7.1	-6.5	-6.1	0.3	1.0	-0.8	-6.2	0	88	972	1.6	319	5	0.00
LWB	122	03APR94:14:07	4.9	5.2	5.6	6.5	6.6	8.6	11.1	1.1	3.4	0.7	3.1	778	35	973	3.2	294	50	0.00
LWB	123	03APR94:18:39	-1.6	-0.6	0.5	0.5	0.4	1.1	1.8	0.5	1.7	-0.9	2.3	25	34	972	2.0	284	50	0.00
LWB	124	03APR94:19:25	-4.0	-3.1	-1.6	-1.6	-1.9	-1.1	-0.8	0.6	2.0	-1.0	0.1	0	36	972	1.1	266	50	0.00
LWB	125	04APR94:02:48	-9.7	-8.3	-7.2	-7.2	-7.3	-6.3	-2.6	0.7	1.9	1.7	-6.5	0	75	971	9.8	219	50	0.00

GRAYLING II, DECIDUOUS (BLACK OAK) TREELINE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	29	11MAR94:01:38	-13.3	-12.1	-10.9	-10.9	-11.1	-10.4	-9.6	0.5	1.4	-1.0	-7.9	0	76	985	1.1	355	50	0.00
LWB	30	11MAR94:11:20	-0.2	[illegible].0	2.2	2.6	2.7	5.0	7.4	1.2	4.8	0.5	-2.6	587	61	982	0.7	81	50	0.00
LWB	32	11MAR94:19:05	-6.6	-5.8	-4.7	-4.7	-4.8	-3.8	-3.3	0.6	2.8	-0.4	-5.0	0	66	986	0.8	90	50	0.00
LWB	33	12MAR94:02:41	-12.8	-12.2	-11.9	-11.8	-11.8	-11.1	-10.2	0.3	1.8	0.2	-9.8	0	88	986	0.4	53	50	0.00
LWB	34	12MAR94:04:22	-9.4	-9.0	-8.7	-8.6	-8.7	-8.3	-7.6	0.3	0.8	0.4	-8.8	0	87	984	0.2	220	50	0.00
LWB	35	12MAR94:09:44	-3.6	-3.3	-3.1	-2.9	-3.0	-2.5	-2.3	0.2	0.7	-0.1	-2.6	126	66	985	1.9	190	50	0.00
LWB	36	12MAR94:10:27	-2.8	-1.5	-1.3	-1.2	-1.3	-0.9	-0.5	0.2	0.6	0.3	-0.7	3	92	978	1.2	287	3	0.00
LWB	37	12MAR94:08:14	-4.1	-3.6	-3.4	-3.3	-3.4	-3.1	-2.8	0.2	0.5	-0.1	-2.7	0	92	979	0.8	293	2	0.00
LWB	40	12MAR94:10:56	-4.7	-4.1	-3.2	-3.2	-3.3	-2.5	-1.6	0.5	1.6	-0.3	-2.7	0	84	974	0.8	90	50	0.00
LWB	41	14MAR94:05:16	-9.2	-7.9	-7.2	-7.1	-7.3	-6.7	-6.3	0.4	1.2	-1.0	-	-	-	-	-	-	-	-
LWB	42	14MAR94:14:39	-1.8	-1.2	-1.0	-0.9	-1.0	-0.6	-0.4	0.2	0.6	0.1	-0.1	148	87	950	4.8	210	10	0.00
LWB	43	14MAR94:18:03	-1.2	-0.7	-0.6	-0.2	-0.3	0.1	0.5	0.2	0.8	-0.2	0.5	12	89	956	2.3	232	9	0.00
LWB	44	14MAR94:19:42	-2.6	-1.6	-1.3	-1.2	-1.3	-0.9	-0.5	0.2	0.8	-0.7	0.2	0	89	956	1.6	212	50	0.00
LWB	46	15MAR94:06:37	-1.6	-1.1	-0.7	-0.7	-0.8	-0.3	0.0	0.2	0.8	-0.5	-0.1	0	94	956	0.9	269	.	0.00
LWB	47	15MAR94:09:54	-3.3	-2.8	-2.5	-2.4	-2.5	-2.0	-1.6	0.2	0.8	-0.5	-2.1	153	82	956	2.7	326	.	0.00
LWB	48	15MAR94:13:10	-5.0	-4.5	-4.3	-4.2	-4.2	-3.4	-2.5	0.3	1.1	1.1	-5.0	373	67	962	4.0	340	.	0.00
LWB	49	16MAR94:05:13	-16.8	-16.3	-15.3	-15.3	-15.6	-14.9	-14.5	0.5	1.4	-1.7	-12.6	0	61	979	4.1	352	50	0.00
LWB	50	16MAR94:13:42	-10.5	-9.8	-9.4	-9.1	-9.8	-7.8	-6.8	0.6	2.1	0.4	-9.9	742	42	973	0.9	333	50	0.00
LWB	51	16MAR94:17:16	-12.3	-10.9	-10.8	-9.8	-9.9	-8.7	-6.8	0.7	2.2	0.1	-8.8	225	43	973	3.5	332	50	0.00
LWB	52	16MAR94:18:17	-13.4	-12.5	-12.8	-11.9	-11.9	-10.5	-9.1	0.6	1.9	1.1	-10.0	27	46	976	4.2	316	50	0.00
LWB	53	17MAR94:09:07	-8.2	-6.8	-5.7	-5.1	-5.1	-2.5	-1.1	1.3	6.3	0.5	-10.9	415	62	973	1.1	349	50	0.00
LWB	56	17MAR94:10:11	-8.3	-6.3	-4.7	-4.5	-4.4	-1.9	0.5	1.3	6.4	0.3	-8.1	532	61	973	1.5	322	50	0.00
LWB	57	18MAR94:07:53	-8.3	-7.8	-7.6	-7.5	-7.6	-7.1	-6.9	0.2	0.7	0.5	-6.6	7	92	955	1.8	55	0	0.00
LWB	58	18MAR94:10:17	-6.0	-5.4	-5.0	-4.9	-5.0	-4.5	-2.9	0.3	0.8	1.6	-4.5	16	75	962	4.4	335	50	0.00
LWB	59	18MAR94:19:34	-9.8	-7.7	-7.3	-7.2	-7.3	-6.8	-6.4	0.5	0.9	-1.3	-5.2	0	77	965	2.5	293	50	0.00
LWB	60	18MAR94:20:48	-11.3	-9.0	-8.0	-8.2	-8.5	-7.6	-7.0	0.5	1.5	-1.1	-6.4	0	85	964	1.0	317	49	0.00
LWB	61	19MAR94:02:36	-13.3	-12.8	-12.6	-12.4	-12.5	-12.0	-11.8	0.3	0.8	-0.2	-13.6	0	76	967	0.8	90	50	0.00
LWB	62	19MAR94:05:25	-16.8	-14.6	-13.2	-13.1	-13.3	-12.6	-12.4	0.6	2.8	-2.9	-17.1	0	88	967	0.8	90	50	0.00
LWB	64	19MAR94:17:40	-4.5	-3.8	-1.1	-0.9	-1.1	0.6	2.2	0.9	3.6	-0.6	0.1	116	61	969	3.9	290	50	0.00
LWB	67	20MAR94:17:19	2.9	4.3	5.8	5.8	5.6	6.5	7.2	0.7	2.2	-0.9	0.6	128	33	980	2.1	140	50	0.00
LWB	68	20MAR94:22:12	-2.5	-1.5	-1.4	-0.9	-0.9	-0.6	1.1	0.5	0.9	1.6	-0.1	0	68	967	2.3	114	50	0.00
LWB	69	21MAR94:06:45	-2.6	-2.2	-2.0	-1.9	-2.0	-1.6	-1.2	0.2	0.6	0.2	-1.0	0	86	980	1.0	125	3	0.00
LWB	70	21MAR94:06:53	-2.6	-2.0	-1.7	-1.6	-1.7	-1.4	-1.1	0.2	0.6	-0.5	-1.1	1	94	950	1.9	65	2	0.00
LWB	71	21MAR94:22:15	-5.7	-4.9	-4.5	-4.5	-4.5	-4.1	-3.8	0.3	0.8	-0.6	-3.7	0	95	964	0.4	280	5	0.06
LWB	72	21MAR94:23:29	-5.9	-4.9	-4.7	-4.5	-4.6	-4.2	-2.8	0.3	0.7	1.4	-3.4	0	92	965	0.8	90	14	0.00
LWB	73	22MAR94:08:36	-8.3	-7.3	-6.9	-6.8	-7.0	-6.4	-6.1	0.3	0.9	0.1	-7.2	0	92	985	0.8	90	50	0.00
LWB	76	22MAR94:11:51	9.7	10.6	12.2	12.0	11.9	13.3	14.3	0.8	2.7	-0.2	10.6	736	34	984	6.9	262	50	0.00
LWB	75	22MAR94:14:15	9.2	11.6	13.0	13.2	13.2	15.5	17.2	1.1	3.9	0.5	11.8	696	34	982	5.1	225	50	0.00
LWB	76	23MAR94:20:38	2.5	4.7	5.4	5.4	5.4	5.8	6.2	0.4	1.0	-1.3	4.2	0	56	962	1.1	220	50	0.00
LWB	77	23MAR94:14:20	9.1	9.7	10.1	10.4	10.3	11.2	12.0	0.4	1.5	0.5	8.9	480	42	965	2.2	76	50	0.00

GRAYLING II, DECIDUOUS (BLACK OAK) TREELINE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M**2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
940	124	03APR94:19:23	-3.3	-1.2	-0.3	-0.3	-0.6	0.6	1.3	0.6	1.8	-0.3	0.1	0	36	972	1.1	288	10	0.00
940	125	04APR94:02:48	-7.9	-6.3	-5.3	-5.2	-5.3	-4.3	-3.7	0.6	2.0	-0.4	-6.5	0	75	971	0.8	219	50	0.00
940	126	04APR94:06:50	-4.6	-3.6	-3.0	-2.7	-2.9	-1.9	-1.2	0.5	1.7	-0.3	-5.7	25	85	971	1.3	222	50	0.00
940	127	04APR94:09:54	6.9	5.7	6.5	6.5	6.4	7.3	8.1	0.5	1.5	0.1	4.5	261	46	999	2.5	215	50	0.00
940	128	04APR94:13:26	7.1	6.0	8.7	8.7	8.6	9.3	9.8	0.6	1.3	-0.2	8.3	115	34	967	5.1	219	50	0.00
940	129	05APR94:03:06	-4.4	-3.4	-2.6	-2.6	-2.7	-1.6	-0.8	0.5	1.8	0.2	-3.4	0	95	967	-	-	3	0.00
940	130	05APR94:13:28	-3.1	-1.8	-1.8	-1.8	-1.1	-0.1	1.8	0.5	1.7	0.2	-2.8	326	81	972	3.2	289	50	0.00
940	131	05APR94:17:45	-4.3	-3.1	-2.2	-2.2	-2.3	-1.4	-0.6	0.6	1.8	-0.4	-2.8	98	73	973	2.4	256	50	0.00
940	132	05APR94:18:20	-4.7	-3.6	-2.7	-2.6	-2.7	-1.8	-1.8	0.6	1.8	-0.4	-3.1	43	75	973	1.9	7	50	0.00
940	133	06APR94:09:29	-0.7	0.8	1.7	1.8	1.7	2.6	3.7	0.6	1.8	-0.3	-3.8	695	67	976	2.6	56	50	0.00
940	134	06APR94:11:08	0.7	2.7	3.8	3.9	3.8	5.0	6.2	0.7	2.2	-0.3	-2.4	588	60	976	4.8	32	50	0.00
940	135	06APR94:14:24	5.2	8.5	9.8	10.1	10.1	12.2	16.6	1.2	3.8	0.8	-0.3	667	47	974	3.2	31	50	0.20
940	136	06APR94:17:35	-0.7	0.3	1.2	1.2	1.1	2.2	3.3	0.5	1.8	0.3	-0.9	179	45	974	3.8	31	50	0.00
940	137	07APR94:07:42	-2.2	-0.8	0.1	0.5	0.5	2.2	3.4	0.9	3.0	0.8	-7.2	310	69	982	0.7	290	50	0.00
940	138	07APR94:10:21	3.4	4.8	7.0	6.6	6.4	7.8	9.1	1.0	3.0	-0.4	3.9	101	36	983	1.4	2	50	0.00
940	139	07APR94:19:24	-1.5	-0.2	0.6	0.8	0.7	1.7	2.6	0.6	1.9	-0.4	0.5	0	52	983	0.2	307	50	0.00
940	140	07APR94:20:17	-4.6	-3.6	-2.6	-2.6	-2.7	-1.6	-0.5	0.6	1.9	0.2	-4.4	0	78	986	0.7	26	50	0.00
940	143	13APR94:13:56	5.3	6.2	6.9	6.9	6.8	7.6	8.4	0.6	1.4	-0.2	6.6	67	98	957	1.6	269	32	0.00
940	144	13APR94:16:36	5.8	5.8	6.6	6.6	6.5	7.4	8.2	0.5	1.5	0.1	5.6	49	91	957	2.7	255	50	0.00
940	148	14APR94:08:05	5.1	4.5	5.1	5.2	5.1	6.0	6.7	0.6	1.6	0.1	4.7	0	99	960	1.3	239	8	0.00
940	146	14APR94:09:42	2.7	3.8	4.6	4.5	4.6	5.2	6.0	0.6	1.6	-0.1	4.6	0	91	961	1.6	226	6	0.00
940	147	14APR94:15:14	20.9	21.7	22.3	22.6	22.8	26.7	27.6	1.0	5.0	1.6	19.3	646	31	960	5.1	230	50	0.00
940	148	14APR94:16:33	20.7	21.4	22.1	22.1	22.0	22.8	24.0	0.6	1.6	0.6	19.1	434	31	956	1.9	266	50	0.00
940	149	15APR94:02:33	7.9	8.9	9.4	9.5	9.4	10.2	10.6	0.6	1.3	-0.0	8.9	0	73	964	1.1	105	50	0.00
940	170	15APR94:06:24	10.2	10.9	11.4	11.5	11.4	12.0	12.7	0.3	1.1	-0.0	10.5	5	88	960	2.0	136	11	0.00
940	171	15APR94:08:17	10.8	11.7	12.2	12.3	12.2	12.8	13.4	0.4	1.1	-0.4	11.4	6	79	959	2.9	108	17	0.00
940	172	15APR94:14:16	12.3	12.9	13.4	13.5	13.4	14.0	14.7	0.3	1.1	-0.4	13.0	55	94	954	3.7	105	10	0.00

GRAYLING II, DECIDUOUS (BLACK OAK) TREELINE FEATURE, SWB DATA

IMAGE	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	77	23AUG96:14:20	8.9	12.1	12.8	13.0	12.9	13.9	14.8	0.6	1.8	-0.7	8.9	488	42	965	2.2	76	50	0.00
SWB	78	23AUG96:19:06	3.2	4.2	5.0	5.0	4.9	5.7	6.2	0.6	1.5	-0.3	4.0	0	52	965	2.2	73	50	0.00
SWB	80	23AUG96:22:10	-0.3	0.6	1.2	1.4	1.3	2.2	3.2	0.5	1.6	-0.2	0.7	0	76	965	1.5	57	50	0.00
SWB	81	24AUG96:09:11	0.2	1.2	1.8	1.9	1.8	2.7	3.5	0.5	1.6	0.1	0.9	37	95	957	1.9	287	6	0.00
SWB	82	24AUG96:14:47	-0.6	0.3	1.0	1.1	1.0	1.8	2.6	0.5	1.5	-0.2	-0.3	204	88	962	4.6	256	8	0.00
SWB	83	24AUG96:21:54	-6.7	-5.6	-6.7	-6.7	-6.9	-5.8	-3.5	0.6	1.8	-0.2	-5.1	0	72	972	4.6	316	50	0.00
SWB	84	24AUG96:22:05	-6.7	-5.6	-6.7	-6.7	-6.9	-5.7	-2.9	0.6	1.9	-0.8	-5.2	0	73	972	3.8	304	50	0.00
SWB	85	25AUG96:06:47	-8.5	-7.8	-6.3	-6.8	-6.1	-5.8	-4.1	0.6	2.0	-0.3	-6.7	7	78	976	6.3	327	50	0.00
SWB	86	25AUG96:09:15	-0.3	1.1	2.4	2.4	2.4	4.2	5.8	0.9	3.1	0.3	-5.3	442	65	977	4.6	337	50	0.00
SWB	87	25AUG96:20:25	-6.8	-6.9	-6.8	-5.8	-6.0	-3.8	-2.3	0.6	1.9	-0.4	-3.4	0	56	976	1.2	307	50	0.00
SWB	88	25AUG96:23:43	-11.2	-9.9	-8.9	-8.7	-8.9	-7.5	-6.0	0.7	2.4	0.3	-8.8	0	88	978	0.8	90	50	0.00
SWB	89	26AUG96:07:52	-5.5	-4.6	-5.8	-3.7	-5.8	-2.7	-2.2	0.6	1.9	0.5	-5.3	79	75	977	0.5	170	50	0.00
SWB	90	26AUG96:10:51	6.8	7.1	8.8	8.1	8.2	10.0	12.2	0.9	2.9	1.0	2.8	649	49	975	4.4	285	50	0.00
SWB	96	27AUG96:10:46	-1.2	-0.1	0.7	0.8	0.7	1.6	2.4	0.5	1.6	-0.2	-0.8	282	87	963	0.7	126	13	0.00
SWB	97	28AUG96:08:07	-3.0	-2.0	-1.4	-1.2	-1.4	-0.3	0.7	0.5	1.7	0.1	-3.1	64	96	967	1.8	259	0	0.00
SWB	99	28AUG96:15:22	2.2	3.1	3.4	3.8	3.7	4.5	5.6	0.6	1.5	-0.8	2.3	162	66	969	3.7	299	50	0.00
SWB	100	28AUG96:19:34	-3.4	-1.8	-1.1	-0.8	-1.0	0.1	1.1	0.6	1.6	-0.8	-1.7	0	81	970	0.8	90	50	0.00
SWB	101	29AUG96:05:51	-4.6	-3.4	-2.6	-2.6	-2.7	-1.8	-0.8	0.5	1.7	-0.1	-3.7	0	94	973	0.8	90	5	0.00
SWB	102	29AUG96:20:57	-4.9	-3.8	-3.1	-3.0	-3.1	-2.2	-1.4	0.6	1.7	-0.2	-3.1	0	88	980	0.7	11	10	0.00
SWB	103	29AUG96:21:59	-5.8	-4.4	-3.6	-3.6	-3.7	-2.6	-1.4	0.6	1.8	0.0	-3.6	0	90	981	0.6	1	16	0.00
SWB	104	29AUG96:23:11	-6.3	-5.0	-4.3	-4.0	-4.1	-3.1	-2.2	0.6	1.9	-0.2	-5.5	0	92	981	0.3	37	11	0.00
SWB	105	30AUG96:03:26	-8.0	-6.6	-5.8	-5.5	-5.6	-4.6	-3.4	0.6	2.0	-0.4	-5.6	0	81	982	1.0	326	50	0.00
SWB	106	30AUG96:11:28	4.8	5.3	6.9	6.8	6.9	9.2	11.2	1.2	3.9	0.7	-1.8	750	54	984	4.3	306	50	0.00
SWB	107	30AUG96:14:21	6.7	7.8	9.8	9.1	9.1	11.8	12.6	1.8	3.2	0.8	1.9	585	47	982	3.8	288	50	0.00
SWB	108	30AUG96:18:43	-2.6	-1.1	-0.2	0.1	-0.1	1.2	2.3	0.7	2.3	-0.1	-0.4	16	56	981	2.8	260	50	0.00
SWB	109	31AUG96:04:14	-9.8	-8.2	-7.4	-7.2	-7.2	-6.1	-4.9	0.7	2.1	-0.3	-6.5	0	90	977	0.8	90	14	0.00
SWB	110	31AUG96:06:29	-7.9	-6.6	-6.8	-5.8	-6.0	-4.9	-4.8	0.5	1.7	0.2	-6.8	0	90	977	0.5	212	14	0.00
SWB	111	31AUG96:10:29	7.0	8.8	8.9	9.1	9.0	10.4	11.5	0.7	2.4	0.5	3.4	651	49	975	3.3	254	50	0.00
SWB	112	31AUG96:14:56	8.8	9.1	9.7	9.8	9.7	10.7	12.1	0.5	1.7	0.5	7.8	368	36	971	3.2	263	50	0.00
SWB	113	01SEP96:08:07	-2.3	-0.7	0.3	0.3	0.1	1.1	1.6	0.5	1.8	-0.1	-1.1	0	66	971	0.9	289	50	0.00
SWB	114	01SEP96:08:27	-6.4	-4.9	-4.1	-5.8	-6.8	-3.9	-2.3	0.6	1.9	-0.5	-5.6	0	99	971	0.8	90	99	0.00
SWB	115	01SEP96:06:22	-6.3	-5.3	-4.7	-4.6	-4.6	-3.6	-3.0	0.5	1.6	0.1	-6.1	0	86	971	0.5	26	99	0.00
SWB	116	01SEP96:23:10	-2.7	-1.5	-0.6	-0.6	-0.6	0.3	1.1	0.5	1.6	-0.6	-0.5	0	67	973	1.3	139	50	0.00
SWB	117	02SEP96:01:07	-2.4	-1.6	-1.0	-1.0	-1.1	-0.2	0.3	0.5	1.4	0.2	-0.8	0	91	972	1.0	106	50	0.00
SWB	118	02SEP96:20:35	-3.7	-2.7	-1.9	-1.9	-2.0	-1.1	-0.4	0.5	1.6	-0.0	-2.0	0	66	966	7.8	311	50	0.00
SWB	119	02SEP96:22:20	-5.0	-4.1	-3.6	-3.3	-3.4	-2.6	-1.8	0.5	1.6	-0.4	-3.9	0	72	969	5.0	330	50	0.00
SWB	120	02SEP96:23:13	-5.6	-4.7	-4.1	-4.0	-4.0	-3.1	-2.4	0.5	1.6	-0.5	-4.6	0	76	969	1.4	337	50	0.00
SWB	121	05SEP96:05:17	-7.7	-6.7	-6.0	-5.8	-6.0	-5.0	-4.1	0.5	1.7	-0.3	-6.2	0	80	972	1.6	319	5	0.00
SWB	122	05SEP96:14:07	8.5	10.4	11.8	12.3	12.8	17.3	20.7	2.1	6.9	1.1	5.1	778	35	972	3.2	294	50	0.00
SWB	123	05SEP96:18:39	0.1	1.5	2.2	2.3	2.2	3.1	3.9	0.5	1.8	-0.2	2.5	23	36	972	2.8	296	50	0.00

GRAYLING II, DECIDUOUS (BLACK OAK) *TREELINE FEATURE*, SWB DATA

WINDBAND	REGION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/m^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (M)	PRECIPITATION (MM/HR)
SWB	29	11MAR94:01:56	-10.5	-9.2	-8.2	-8.2	-8.4	-7.2	-6.4	0.6	2.0	-0.2	-7.9	0	78	985	1.1	305	50	0.00
SWB	30	11MAR94:11:20	3.1	4.8	7.5	7.1	7.2	10.2	11.5	1.6	5.4	0.1	-2.4	567	61	987	0.7	89	50	0.00
SWB	32	11MAR94:19:05	-5.0	-4.1	-3.1	-3.0	-3.3	-2.2	-1.4	0.6	2.8	0.1	-3.0	0	66	986	0.8	90	50	0.00
SWB	33	12MAR94:02:41	-11.8	-10.7	-9.8	-9.6	-9.8	-8.5	-7.7	0.6	2.1	-0.2	-9.8	0	86	986	0.4	53	50	0.00
SWB	34	12MAR94:04:22	-8.5	-7.5	-6.7	-6.6	-6.7	-5.8	-4.7	0.5	1.8	-0.2	-8.0	0	87	986	0.2	220	50	0.00
SWB	35	12MAR94:09:44	-2.8	-1.5	-0.8	-0.8	-1.0	-0.1	0.7	0.5	1.4	0.2	-2.4	126	66	985	1.9	170	50	0.00
SWB	36	12MAR94:10:27	-1.9	-1.0	-0.4	-0.2	-0.3	0.5	1.1	0.4	1.4	-0.3	-0.7	3	92	978	1.2	207	3	0.00
SWB	37	12MAR94:09:14	-4.4	-3.6	-2.9	-2.7	-2.9	-2.0	-1.4	0.5	1.5	-0.5	-2.7	6	92	979	0.8	290	2	0.00
SWB	40	13MAR94:10:50	-3.1	-2.2	-1.4	-1.2	-1.4	-0.4	0.7	0.6	1.7	-0.5	-2.7	0	84	974	0.8	90	50	0.00
SWB	41	14MAR94:05:16	-7.7	-6.8	-5.2	-4.9	-5.0	-3.8	-3.1	0.6	2.1	-0.2	-	-	-	-	-	-	-	-
SWB	42	14MAR94:14:30	-1.0	-0.1	0.6	0.7	0.6	1.4	2.3	0.5	1.5	-0.2	-0.1	148	87	956	4.6	270	10	0.00
SWB	43	14MAR94:18:03	-0.6	0.3	1.2	1.2	1.1	2.0	2.7	0.5	1.7	-0.9	0.5	12	89	956	2.3	232	9	0.00
SWB	44	14MAR94:19:42	-1.2	-0.2	0.6	0.6	0.5	1.4	2.0	0.5	1.6	0.1	0.2	0	89	956	1.6	212	50	0.00
SWB	46	15MAR94:08:37	-1.6	-0.6	0.3	0.5	0.3	1.2	1.8	0.5	1.6	-0.5	-0.1	0	94	956	0.9	260	-	0.00
SWB	47	15MAR94:09:54	-2.3	-1.4	-0.6	-0.4	-0.6	0.3	1.2	0.5	1.7	-0.1	-2.1	153	82	958	2.7	328	-	0.00
SWB	48	15MAR94:13:10	-3.1	-1.8	-0.8	-0.8	-1.0	0.2	1.8	0.6	2.0	0.4	-5.0	373	67	962	4.0	340	-	0.00
SWB	49	16MAR94:08:13	-15.4	-14.2	-12.9	-12.7	-12.9	-11.8	-10.8	0.7	2.4	-0.6	-12.6	0	61	978	4.1	302	50	0.00
SWB	50	16MAR94:13:42	-5.8	-3.3	0.6	0.2	0.1	3.3	7.5	2.1	6.6	-0.8	-9.9	742	42	973	6.9	300	50	0.00
SWB	51	16MAR94:17:16	-5.8	-3.0	-1.2	-0.8	-1.0	1.0	2.6	1.2	4.0	-0.4	-8.8	225	43	973	3.5	302	50	0.00
SWB	52	16MAR94:19:17	-11.4	-9.9	-9.2	-8.5	-8.5	-6.4	-4.7	1.1	3.5	0.6	-10.8	27	46	975	4.2	260	50	0.00
SWB	53	17MAR94:09:07	-4.1	-2.2	0.6	0.5	0.3	3.2	5.0	1.7	5.4	0.1	-10.9	415	62	973	1.1	260	50	0.00
SWB	54	17MAR94:10:11	-3.1	-1.1	1.1	1.6	1.6	4.8	7.4	1.7	5.9	0.2	-8.1	532	61	973	1.5	300	50	0.00
SWB	57	18MAR94:09:53	-7.5	-6.4	-5.8	-5.5	-5.6	-4.6	-4.0	0.6	1.8	-0.8	-6.6	7	92	995	1.8	35	0	0.04
SWB	58	18MAR94:10:17	-6.3	-4.7	-3.8	-3.8	-4.0	-2.9	-1.9	0.6	1.9	0.2	-6.5	14	75	962	4.4	305	50	0.00
SWB	59	18MAR94:19:34	-7.7	-6.3	-5.5	-5.2	-5.5	-4.3	-3.6	0.6	2.0	0.1	-5.2	0	77	983	2.5	285	50	0.00
SWB	60	18MAR94:20:48	-8.7	-7.2	-6.1	-6.1	-6.3	-5.2	-4.1	0.6	2.0	-0.4	-6.4	0	85	984	1.0	307	40	0.00
SWB	61	19MAR94:02:36	-12.2	-10.7	-9.6	-9.4	-9.6	-8.2	-7.2	0.7	2.5	-0.3	-13.6	0	76	987	0.6	90	50	0.00
SWB	62	19MAR94:05:25	-14.0	-12.8	-10.1	-10.1	-10.5	-9.1	-7.7	0.9	2.9	-0.5	-17.1	0	80	987	0.8	90	50	0.00
SWB	64	19MAR94:17:49	-1.4	0.3	1.7	1.8	1.7	3.1	4.2	0.8	2.8	-0.4	0.1	110	61	969	3.9	290	50	0.00
SWB	65	20MAR94:01:11	-13.3	-11.4	-10.1	-9.9	-10.1	-8.5	-7.5	0.8	2.9	-0.1	-16.7	0	84	971	0.9	12	50	0.00
SWB	67	20MAR94:17:19	5.4	6.4	7.4	7.3	7.2	8.8	8.5	0.5	1.6	-0.5	6.6	138	33	966	2.1	160	50	0.00
SWB	68	20MAR94:22:12	-1.8	-0.2	0.6	0.7	0.6	1.6	2.6	0.5	1.7	-0.1	-0.1	0	68	987	2.3	114	50	0.00
SWB	69	21MAR94:04:45	-2.8	-1.1	-0.4	-0.2	-0.3	0.6	1.3	0.5	1.7	-0.5	-1.8	0	86	980	1.8	123	3	0.00
SWB	70	21MAR94:06:55	-1.9	-1.0	-0.2	-0.2	-0.3	0.6	1.2	0.5	1.5	-0.1	-1.1	1	94	958	1.9	45	2	0.00
SWB	71	21MAR94:22:15	-4.7	-3.6	-2.9	-2.6	-2.7	-1.6	-0.6	0.5	1.8	0.2	-3.7	0	95	984	0.6	280	5	0.00
SWB	72	21MAR94:23:29	-4.6	-3.3	-2.6	-2.6	-2.6	-1.5	-0.8	0.5	1.8	0.1	-3.6	0	92	985	0.8	90	16	0.00
SWB	73	22MAR94:05:36	-6.1	-4.9	-4.1	-3.8	-4.0	-3.0	-2.4	0.6	1.9	-0.4	-7.2	0	92	985	0.8	90	50	0.00
SWB	74	22MAR94:11:51	12.8	14.0	14.2	15.0	15.6	17.1	18.1	1.0	3.1	-0.5	30.6	730	34	964	6.9	262	50	0.00
SWB	75	22MAR94:14:15	13.9	15.2	16.9	16.8	16.7	18.3	20.2	0.9	3.1	0.2	33.8	696	34	962	5.1	225	30	0.00
SWB	76	22MAR94:20:30	6.0	6.4	7.4	7.4	7.2	8.1	8.8	0.5	1.7	-0.2	6.2	0	56	962	1.1	230	50	0.00

GRAYLING II, DECIDUOUS (BLACK OAK) TREELINE FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95 PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAR[illegible] °C PRE[illegible]RE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	118	02APR94:20:37	-3.9	-3.5	-3.0	-2.9	-3.0	-2.4	-1.0	0.5	0.9	1.1	-2.1	0	67	968	6.0	317	50	0.00
LWB	119	02APR94:22:13	-5.2	-4.6	-4.4	-4.3	-4.4	-3.9	-3.5	0.2	0.7	-0.2	-3.9	7	73	969	4.6	316	50	0.00
LWB	121	03APR94:05:19	-8.2	-7.5	-7.2	-7.1	-7.2	-6.7	-6.1	0.2	0.8	-0.1	-6.2	0	61	972	2.3	302	5	0.00
LWB	122	03APR94:14:05	5.7	6.0	5.7	5.7	5.8	7.3	12.4	0.8	2.5	1.5	2.9	780	34	972	3.3	298	50	0.00
LWB	123	03APR94:18:36	-0.4	0.6	1.3	1.3	1.2	1.7	4.2	0.3	0.9	[illegible]	2.5	34	32	972	3.1	299	50	0.00
LWB	124	03APR94:19:25	-4.0	-1.9	-1.1	-1.1	-1.3	-0.7	0.5	0.4	1.2	-1.9	0.0	0	36	972	0.9	284	50	0.00
LWB	125	04APR94:02:53	-9.0	-8.0	-8.0	-8.1	-8.1	-7.2	-6.1	0.5	1.7	-0.3	-6.5	0	69	971	0.9	288	50	0.00
LWB	126	04APR94:06:49	-6.5	-5.8	-5.5	-5.6	-5.5	-4.9	-4.1	0.3	0.9	0.2	-4.0	25	86	971	1.0	221	50	0.00
LWB	127	04APR94:09:52	3.4	4.0	5.2	5.2	5.1	5.5	6.4	0.3	0.7	-0.0	4.5	238	46	970	3.5	253	50	0.00
LWB	128	04APR94:13:27	7.2	8.1	8.3	8.4	8.3	8.7	8.9	0.2	0.6	-0.5	8.3	128	34	967	5.0	240	50	0.00
LWB	129	05APR94:05:04	-4.5	-3.8	-3.5	-3.4	-3.5	-2.1	-2.5	0.2	0.7	-0.2	-3.4	0	93	967	.	.	2	0.00
LWB	130	05APR94:13:26	-3.7	-3.0	-2.4	-2.5	-2.5	-1.8	-1.3	0.4	1.2	0.1	-2.8	314	82	972	2.1	3	50	0.00
LWB	131	05APR94:17:44	-5.8	-4.2	-3.4	-3.4	-3.5	-2.9	-2.2	0.5	1.3	1.1	-3.0	91	72	973	2.0	7	50	0.00
LWB	132	05APR94:18:19	-5 9	-4.3	-3.5	-3.6	-3.7	-3.1	-2.7	0.4	1.2	-0.5	-3.1	43	76	973	1.4	7	50	0.00
LWB	133	06APR94:09:10	-2.8	-1.4	-0.9	-0.7	-0.8	0.0	1.3	0.4	1.4	-0.1	-4.5	600	48	976	1.9	91	50	0.00
LWB	134	06APR94:10:58	-3.5	-1.7	-1.0	-0.9	-0.9	0.5	2.1	0.7	2.3	0.6	-2.2	721	61	976	3.8	43	50	0.00
LWB	135	06APR94:14:23	-1.4	0.1	0.9	0.9	0.9	2.2	5.6	0.7	2.1	1.1	-0.2	545	46	974	4.7	32	50	0.00
LWB	136	06APR94:17:36	-1.8	-1.2	-0.9	-0.8	-0.9	-0.3	0.7	0.3	0.9	0.2	-0.9	165	63	974	2.6	36	50	0.00
LWB	137	07APR94:07:41	-5.4	-4.6	-4.5	-4.1	-4.1	-3.1	-1.6	0.5	1.6	0.7	-7.3	366	76	982	1.1	309	50	0.00
LWB	138	07APR94:10:10	2.1	3.2	4.0	4.2	4.2	5.4	9.4	0.7	2.0	1.4	4.0	110	33	983	2.1	332	50	0.00
LWB	139	07APR94:19:08	-1.2	0.3	0.8	0.9	0.7	1.3	1.7	0.3	1.0	-0.4	2.1	5	41	983	0.9	334	50	0.00
LWB	140	07APR94:20:26	-7.1	-5.7	-5.3	-5.2	-5.3	-4.6	-3.7	0.3	1.0	0.1	-4.7	0	79	984	0.6	6	50	0.00
LWB	143	13APR94:13:55	5.5	6.1	6.4	6.5	6.4	6.8	7.3	0.2	0.7	-0.7	6.4	79	98	957	1.5	250	50	0.00
LWB	144	13APR94:16:37	4.8	4.5	4.7	4.8	4.7	5.1	5.5	0.2	0.6	-0.4	5.4	55	91	957	1.6	236	50	0.00
LWB	145	14APR94:02:02	3.7	4.2	4.5	4.6	4.5	4.9	5.2	0.2	0.6	0.2	4.7	0	90	960	1.8	260	6	0.00
LWB	146	14APR94:05:43	1.5	2.7	3.1	3.2	3.1	3.6	5.1	0.3	0.9	-0.2	4.3	0	91	961	1.4	244	6	0.20
LWB	147	14APR94:13:15	18.2	18.8	19.2	19.3	19.4	20.4	24.2	0.6	1.7	1.0	19.3	645	32	963	2.0	271	50	0.00
LWB	148	14APR94:16:34	18.8	19.4	19.9	20.2	20.2	21.3	23.6	0.6	1.9	1.0	19.2	433	31	966	2.1	253	50	0.00
LWB	149	15APR94:02:34	6.3	8.0	8.5	8.5	8.4	8.9	10.7	0.3	0.9	-0.2	8.9	0	73	963	0.8	164	50	0.00
LWB	170	15APR94:06:23	9.5	10.1	10.3	10.4	10.3	10.7	11.0	0.2	0.7	0.3	10.5	6	88	960	2.5	144	10	0.00
LWB	171	15APR94:08:16	9.9	10.7	11.0	11.1	11.0	11.6	11.9	0.2	0.8	0.3	11.4	7	79	958	2.7	167	44	0.00
LWB	172	15APR94:14:14	12.0	12.5	12.8	12.8	12.8	13.1	13.7	0.2	0.6	0.0	13.1	78	96	954	3.5	190	10	0.00

GRAYLING II, CONIFEROUS (PINE) TREE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	72	21MAR94:23:25	-7.7	-5.9	-5.3	-5.2	-5.3	-4.6	-2.1	0.4	1.3	0.4	-3.2	0	92	965	0.5	190	42	0.00
LWB	73	22MAR94:05:35	-9.8	-8.9	-8.4	-8.3	-8.3	-7.5	-5.8	0.5	1.5	0.8	-7.2	0	92	965	0.0	90	50	0.00
LWB	74	22MAR94:11:50	4.5	9.5	11.4	11.3	11.0	12.8	14.9	0.8	2.5	-1.8	10.4	737	35	964	4.8	264	50	0.00
LWB	75	22MAR94:14:19	4.6	10.3	12.5	12.5	12.1	13.1	14.3	1.0	2.6	-2.4	11.9	683	34	962	5.9	230	50	0.00
LWB	76	22MAR94:20:33	0.2	4.3	5.2	5.2	5.1	5.8	6.3	0.5	1.5	-2.4	6.1	0	56	962	1.6	222	50	0.00
LWB	77	23MAR94:14:17	2.9	9.2	10.4	10.4	10.4	11.8	13.3	0.9	2.6	-1.6	8.9	482	43	965	2.6	86	50	0.00
LWB	78	23MAR94:19:18	1.2	3.1	3.5	3.6	3.5	4.0	5.1	0.3	0.9	-0.5	4.0	0	51	965	2.5	59	50	0.00
LWB	80	23MAR94:22:08	-0.8	0.0	0.3	0.4	0.3	0.7	1.6	0.2	0.7	-0.1	0.8	0	73	965	1.9	62	50	0.00
LWB	81	24MAR94:09:04	-0.4	0.5	0.7	0.7	0.6	1.1	1.4	0.2	0.6	0.2	0.6	35	94	957	1.3	245	6	0.00
LWB	82	24MAR94:14:48	-1.3	-0.9	-0.5	-0.5	-0.6	-0.1	0.7	0.2	0.7	0.8	-0.3	206	79	962	5.2	267	15	0.00
LWB	83	24MAR94:21:31	-6.5	-6.0	-5.8	-5.7	-5.8	-5.3	-4.8	0.2	0.8	0.1	-5.1	0	72	972	4.6	306	50	0.00
LWB	84	24MAR94:22:03	-7.0	-6.4	-6.1	-6.1	-6.1	-5.8	-4.9	0.2	0.7	-0.4	-5.2	0	73	972	3.7	309	49	0.00
LWB	85	25MAR94:06:46	-8.3	-7.6	-7.4	-7.3	-7.3	-6.8	-6.1	0.2	0.8	-0.3	-6.7	7	78	976	3.4	316	50	0.00
LWB	86	25MAR94:09:16	-4.1	-3.4	-3.1	-2.9	-3.0	-2.1	-0.9	0.4	1.4	1.0	-5.3	444	64	977	4.7	349	50	0.00
LWB	87	25MAR94:20:17	-6.2	-4.9	-4.5	-4.5	-4.5	-3.9	-1.6	0.4	1.8	1.9	-3.3	0	56	978	1.5	0	50	0.00
LWB	88	25MAR94:23:42	-12.1	-11.1	-10.6	-10.3	-10.3	-8.9	-6.7	0.8	2.2	2.4	-8.8	0	85	978	0.0	90	50	0.00
LWB	89	26MAR94:07:48	-6.7	-5.9	-5.7	-5.6	-5.6	-5.0	-3.5	0.5	0.9	1.0	-5.4	66	75	977	0.8	168	50	0.00
LWB	90	26MAR94:10:50	2.6	4.1	4.5	4.6	4.6	5.2	6.2	0.4	1.1	0.1	2.7	628	49	975	4.4	215	50	0.00
LWB	96	27MAR94:10:32	-1.8	-1.5	-0.8	-0.7	-0.8	-0.1	0.5	0.4	1.1	-0.2	-0.8	176	88	963	0.1	119	9	0.00
LWB	97	28MAR94:08:06	-4.3	-3.7	-3.4	-3.3	-3.4	-3.1	-2.6	0.2	0.6	-0.6	-3.1	63	96	967	1.5	253	0	0.00
LWB	98	28MAR94:13:44	2.4	2.8	3.1	3.2	3.2	3.7	5.2	0.3	0.8	1.2	2.6	326	67	968	3.0	302	50	0.00
LWB	99	28MAR94:15:06	2.7	3.3	3.6	3.7	3.6	4.1	5.5	0.3	0.7	1.4	2.6	307	64	969	2.5	279	50	0.00
LWB	100	28MAR94:19:28	-4.7	-3.7	-3.3	-3.1	-3.2	-2.3	0.1	0.5	1.5	1.0	-1.2	0	78	970	0.0	90	50	0.00
LWB	101	29MAR94:05:52	-5.5	-4.9	-4.6	-4.5	-4.5	-3.9	-0.9	0.3	1.0	2.1	-3.7	0	94	973	0.0	90	5	0.00
LWB	102	29MAR94:20:44	-4.9	-4.1	-3.7	-3.6	-3.7	-3.2	-1.3	0.3	0.9	0.3	-2.9	0	87	980	0.0	20	0	0.00
LWB	103	29MAR94:21:57	-6.0	-5.0	-4.5	-4.5	-4.5	-4.0	-3.4	0.3	1.0	-0.5	-3.6	0	89	981	0.6	356	16	0.00
LWB	104	29MAR94:23:12	-7.4	-6.0	-5.4	-5.3	-5.4	-4.8	-4.0	0.4	1.2	-0.8	-5.5	0	92	981	0.2	37	11	0.00
LWB	105	30MAR94:05:15	-7.6	-6.6	-6.2	-6.1	-6.2	-5.7	-4.8	0.3	1.0	0.1	-5.2	0	88	982	1.5	330	50	0.00
LWB	106	30MAR94:11:27	-0.8	0.1	0.6	1.0	1.0	2.4	7.7	0.9	2.3	2.0	-1.0	761	55	984	2.8	304	50	0.00
LWB	107	30MAR94:14:14	1.5	2.2	2.7	2.7	2.7	3.7	7.6	0.6	1.5	2.7	1.6	786	47	982	4.3	281	50	0.00
LWB	108	30MAR94:16:42	-2.9	-2.0	-1.6	-1.6	-1.6	-1.1	1.3	0.3	0.9	2.5	-0.4	18	56	981	1.1	251	50	0.00
LWB	109	31MAR94:04:02	-11.1	-10.2	-9.8	-9.6	-9.7	-8.6	-6.0	0.5	1.6	2.3	-8.5	0	89	977	0.0	90	14	0.00
LWB	110	31MAR94:06:35	-9.9	-9.3	-9.0	-8.8	-8.9	-8.3	-5.9	0.4	1.1	1.9	-7.9	15	90	977	0.5	214	14	0.00
LWB	111	31MAR94:10:23	3.8	4.6	5.0	5.1	5.0	5.6	6.4	0.3	1.0	0.2	3.3	473	50	975	3.5	255	50	0.00
LWB	112	31MAR94:16:52	7.5	8.2	8.8	8.8	8.8	9.7	11.5	0.5	1.5	1.8	7.9	328	34	971	3.8	230	50	0.00
LWB	113	01APR94:00:12	-6.9	-3.7	-2.5	-2.5	-2.7	-1.9	-1.3	0.6	1.6	-2.3	-1.2	0	65	971	0.5	221	50	0.00
LWB	114	01APR94:02:26	-8.0	-7.0	-6.4	-6.3	-6.3	-5.5	-4..	0.5	1.5	0.1	-5.6	0	98	971	0.0	90	14	0.00
LWB	115	01APR94:04:07	-8.6	-7..	-7.0	-7.0	-7.1	-6.2	-4.7	0.4	1.4	0.7	-6.5	0	89	971	0.9	35	13	0.00
LWB	116	01APR94:23:15	-3.3	-2.2	-1.8	-1.7	-1.8	-1.2	0.3	0.3	1.0	1.2	-0.6	0	47	973	1.2	136	50	0.00
LWB	117	02APR94:01:05	-3.3	-2.1	-1.7	-1.6	-1.7	-1.2	-0.3	0.3	0.9	-0.2	-0.8	0	51	972	1.6	195	50	0.00

GRAYLING II, CONIFEROUS (PINE) TREE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	29	11MAR94:01:39	-11.8	-10.4	-9.8	-9.8	-9.9	-9.3	-8.2	0.3	1.1	0.1	-7.9	0	78	963	0.8	353	50	0.00
LWB	31	11MAR94:13:35	-0.4	0.5	1.1	1.2	1.3	2.4	6.2	0.7	2.0	1.4	-	-	-	-	-	-	-	-
LWB	32	11MAR94:19:09	-7.1	-5.4	-4.7	-4.6	-4.6	-4.0	0.5	0.6	1.4	3.1	-3.2	0	72	986	0.0	90	50	0.00
LWB	33	12MAR94:02:16	-12.5	-12.0	-11.6	-11.5	-11.4	-10.6	-8.2	0.4	1.3	1.6	-10.4	0	87	986	0.5	45	50	0.00
LWB	34	12MAR94:06:23	-9.6	-9.0	-8.6	-8.5	-8.6	-7.9	-7.1	0.3	1.2	0.7	-7.9	0	86	986	0.4	220	50	0.00
LWB	35	12MAR94:09:41	-3.5	-2.9	-2.6	-2.5	-2.6	-2.1	-1.6	0.2	0.8	0.1	-2.5	124	66	983	1.8	176	50	0.00
LWB	36	12MAR94:10:29	-1.9	-1.4	-1.1	-1.0	-1.1	-0.6	-0.2	0.2	0.8	0.2	-0.7	2	92	978	0.0	291	3	0.00
LWB	37	13MAR94:00:25	-4.2	-3.5	-3.2	-3.2	-3.3	-2.7	-2.4	0.2	0.8	0.1	-2.6	0	92	979	0.6	303	2	0.00
LWB	38	13MAR94:02:25	-5.9	-4.8	-4.4	-4.3	-4.4	-3.8	-3.3	0.3	1.8	-0.3	-3.8	0	91	978	0.0	90	2	0.00
LWB	39	13MAR94:14:46	1.4	3.2	5.1	4.7	4.7	6.5	9.4	1.0	3.3	0.2	2.8	561	38	974	0.8	104	50	0.00
LWB	40	13MAR94:18:47	-4.9	-4.1	-3.4	-3.3	-3.3	-2.6	3.1	0.6	1.5	3.7	-2.9	0	83	974	0.0	90	50	0.00
LWB	41	14MAR94:05:13	-9.1	-8.3	-7.8	-7.7	-7.8	-7.2	-5.8	0.3	1.1	-0.1	-	-	-	-	-	-	-	-
LWB	42	14MAR94:14:36	-1.4	-0.8	-0.5	-0.4	-0.5	0.0	0.4	0.2	0.8	0.2	-0.3	118	89	958	3.3	217	12	0.00
LWB	43	14MAR94:18:01	-1.2	-0.4	-0.1	0.0	-0.1	0.4	0.6	0.2	0.8	0.2	0.6	14	89	956	1.6	232	9	0.00
LWB	44	14MAR94:19:43	-2.4	-1.5	-1.0	-1.0	-1.1	-0.6	-0.2	0.3	0.9	-0.0	0.1	0	90	956	1.6	216	50	0.00
LWB	46	15MAR94:06:38	-1.6	-1.0	-0.7	-0.7	-0.8	-0.3	0.2	0.2	0.7	0.2	-0.1	0	94	956	1.0	275	.	0.00
LWB	47	15MAR94:09:48	-3.3	-2.8	-2.5	-2.5	-2.5	-2.1	-1.6	0.2	0.7	0.1	-2.1	134	81	958	4.0	344	.	0.00
LWB	48	15MAR94:13:09	-5.3	-4.5	-4.3	-4.2	-4.1	-3.1	-2.0	0.5	1.5	1.0	-5.1	483	48	962	4.2	334	.	0.00
LWB	49	16MAR94:05:14	-16.0	-15.0	-14.6	-14.6	-14.7	-14.2	-13.7	0.3	0.9	-0.1	-12.6	0	61	970	4.7	0	50	0.00
LWB	50	16MAR94:13:52	-10.0	-9.2	-8.6	-8.5	-8.6	-7.6	-5.6	0.6	1.7	1.6	-9.4	728	44	973	4.3	340	50	0.00
LWB	51	16MAR94:17:02	-11.1	-9.8	-9.0	-8.9	-9.0	-7.9	-4.6	0.6	2.0	0.9	-8.6	268	48	973	5.8	354	50	0.00
LWB	52	16MAR94:18:21	-13.2	-12.2	-11.8	-11.7	-11.8	-11.2	-10.6	0.3	0.9	-0.5	-10.0	19	47	974	6.1	321	50	0.00
LWB	53	17MAR94:09:03	-9.9	-8.9	-8.6	-8.3	-8.2	-6.8	-4.1	0.7	2.1	0.9	-11.2	404	61	973	1.8	350	50	0.00
LWB	54	17MAR94:10:12	-8.3	-7.3	-6.7	-6.4	-6.5	-5.4	-3.2	0.6	1.9	0.7	-8.0	535	42	973	1.5	295	50	0.00
LWB	55	17MAR94:14:19	-2.7	-2.0	-1.3	-1.3	-1.2	0.0	3.0	0.7	2.0	2.2	-2.4	550	30	969	1.7	229	50	0.00
LWB	56	17MAR94:17:02	-3.7	-2.9	-2.6	-2.5	-2.6	-2.1	-1.7	0.2	0.8	0.4	-2.5	78	59	966	0.8	239	50	0.00
LWB	57	18MAR94:07:55	-8.2	-7.5	-7.2	-7.1	-7.2	-6.8	-6.3	0.2	0.7	-0.3	-6.5	7	92	955	2.3	54	0	0.00
LWB	58	18MAR94:10:16	-6.6	-5.7	-5.1	-5.1	-5.2	-4.6	-4.3	0.3	1.0	-0.5	-4.5	18	73	962	5.2	332	50	0.00
LWB	59	18MAR94:19:35	-9.6	-7.2	-6.6	-6.6	-6.7	-6.2	-5.9	0.3	0.9	-1.6	-5.3	0	77	963	1.9	325	50	0.00
LWB	60	18MAR94:20:52	-13.2	-8.9	-8.0	-8.1	-8.3	-7.5	-7.2	0.5	1.5	-1.9	-6.4	0	85	964	1.6	317	50	0.00
LWB	61	19MAR94:02:37	-15.8	-12.6	-11.9	-11.8	-12.0	-11.3	-11.0	0.4	1.2	-2.1	-13.6	0	76	967	0.0	90	50	0.00
LWB	62	19MAR94:05:26	-25.3	-18.6	-17.3	-17.5	-17.6	-16.4	-15.6	0.6	2.1	-2.9	-17.0	0	79	967	0.0	90	50	0.00
LWB	63	19MAR94:14:13	-2.5	0.7	1.8	1.8	1.7	2.7	5.3	0.6	2.0	-0.5	1.2	437	38	948	4.0	323	50	0.00
LWB	64	19MAR94:17:30	-5.4	-1.6	-0.6	-0.6	-0.8	0.1	0.8	0.6	1.7	-1.5	0.3	84	60	968	3.1	300	50	0.00
LWB	65	20MAR94:01:10	-20.1	-17.7	-17.1	-17.0	-17.1	-16.3	-12.7	0.5	1.3	1.5	-16.7	0	84	971	1.0	12	50	0.00
LWB	67	20MAR94:17:25	2.1	5.0	5.9	6.0	5.8	6.6	7.4	0.5	1.5	-1.1	6.5	113	34	966	2.0	157	50	0.00
LWB	68	20MAR94:22:07	-2.2	-1.2	-0.9	-0.8	-0.9	-0.5	-0.1	0.2	0.7	-0.0	-0.1	0	60	967	1.6	137	50	0.00
LWB	69	21MAR94:04:39	-2.6	-1.9	-1.6	-1.5	-1.6	-1.2	-0.6	0.2	0.7	0.5	-0.9	0	84	968	1.4	130	4	0.00
LWB	70	21MAR94:06:51	-2.5	-2.0	-1.7	-1.6	-1.7	-1.3	-1.0	0.2	0.7	0.0	-1.1	1	94	958	1.1	61	2	0.00
LWB	71	21MAR94:22:13	-0.3	-5.9	-5.4	-5.3	-5.3	-4.5	-2.5	0.5	1.4	0.1	-3.0	0	95	964	0.4	199	5	0.00

GRAYLING II, CONIFEROUS (PINE) TREE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_PR (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWF	119	02APR94:22:15	-4.9	-3.7	-3.1	-3.0	-3.1	-2.2	-1.2	0.5	1.5	0.3	-3.9	0	73	969	4.6	310	50	0.00
SWB	120	02APR94:23:21	-5.3	-4.1	-3.6	-3.4	-3.6	-2.6	-1.9	0.5	1.6	0.1	-4.7	0	75	969	4.7	320	50	0.00
SWB	121	03APR94:05:19	-7.4	-6.1	-5.6	-5.3	-5.5	-4.4	-3.4	0.5	1.7	0.0	-6.2	0	81	972	2.3	300	5	0.00
SWB	122	03APR94:14:05	5.5	7.3	8.9	9.0	9.1	11.6	17.9	1.4	4.3	1.2	2	780	34	972	5.3	290	50	0.00
SWB	123	03APR94:16:36	0.7	2.3	2.9	3.1	2.9	3.7	4.4	0.4	1.4	0.2	2.5	34	32	972	3.1	299	50	0.00
SWB	124	03APR94:19:25	-3.3	-0.7	0.2	0.5	0.2	1.1	1.9	0.6	1.8	-1.0	0.0	0	36	972	0.9	264	50	0.00
SWB	125	04APR94:02:53	-8.4	-6.7	-6.0	-5.6	-5.8	-4.7	-2.7	0.7	2.8	-0.3	-6.5	0	69	971	0.9	285	50	0.00
SWF	126	04APR94:08:49	-5.5	-4.4	-3.4	-3.4	-3.6	-2.6	-1.1	0.6	1.8	-0.2	-6.0	25	86	971	1.0	221	50	0.00
SWB	127	04APR94:09:52	4.7	6.2	6.8	6.9	6.8	7.7	8.6	0.5	1.5	0.0	4.5	238	46	970	3.5	255	50	0.00
SWB	128	04APR94:13:27	7.4	8.5	8.9	9.1	9.0	9.7	10.6	0.4	1.2	-0.0	8.3	120	34	537	5.8	216	50	0.00
SWB	129	05APR94:03:04	-4.3	-3.0	-2.3	-2.2	-2.3	-1.2	-0.4	0.5	1.8	0.2	-3.4	0	93	967	.	.	2	0.00
SWB	130	05APR94:13:26	-2.9	-1.8	-0.8	-0.7	-0.8	0.2	1.4	0.6	2.8	-0.3	-2.8	316	82	972	2.1	3	50	0.00
SWB	131	05APR94:17:44	-4.0	-2.7	-1.8	-1.8	-1.9	-1.0	-0.1	0.6	1.8	-0.3	-2.8	91	72	973	2.0	7	50	0.00
SWB	132	05APR94:18:19	-4.6	-3.1	-2.3	-2.2	-2.3	-1.2	-0.2	0.6	1.9	0.0	-3.1	43	74	973	1.6	7	50	0.00
SWB	133	06APR94:09:18	-0.2	1.6	2.4	2.5	2.5	3.9	7.3	0.7	2.3	0.5	-4.8	600	66	976	1.9	91	50	0.00
SWB	134	06APR94:10:58	-0.3	1.2	2.0	2.4	2.3	3.8	5.5	0.8	2.6	0.3	-2.2	721	61	976	3.8	43	50	0.00
SWB	135	06APR94:14:23	1.3	2.7	4.0	4.1	4.1	6.0	9.4	1.0	3.2	0.6	-0.2	545	48	974	4.7	32	50	0.00
SWB	136	06APR94:17:34	-0.4	0.8	1.8	1.8	1.7	2.7	4.2	0.6	1.9	-0.1	-0.9	183	43	974	2.6	30	50	0.00
SWB	137	07APR94:07:41	-3.0	-1.6	-0.7	-0.3	-0.2	2.4	6.8	1.3	4.0	1.2	-7.3	306	78	982	1.1	300	50	0.00
SWB	138	07APR94:10:18	4.3	6.0	7.1	8.0	8.2	11.0	17.5	1.6	5.0	0.9	4.6	150	55	983	2.1	337	50	0.00
SWB	139	07APR94:19:05	-3.6	0.0	1.9	2.0	1.8	2.9	3.5	0.7	2.0	-1.6	2.1	5	61	983	0.9	334	50	0.00
SWB	140	07APR94:20:24	-4.0	-4.0	-3.3	-3.0	-3.3	-2.2	-1.1	0.6	1.8	0.2	-6.7	0	79	986	0.6	4	50	0.00
SWB	143	13APR94:13:55	5.2	6.5	7.1	7.2	7.1	7.9	8.7	0.4	1.4	-0.2	6.4	79	98	957	1.5	250	50	0.00
SWB	144	13APR94:14:37	5.0	6.0	6.6	6.7	6.6	7.4	8.4	0.5	1.4	0.2	5.4	55	91	957	1.6	256	50	0.00
SWB	145	14APR94:02:02	3.9	5.0	5.5	5.6	5.5	6.4	7.1	0.4	1.4	0.1	4.7	0	98	960	1.8	260	0	0.00
SWB	146	14APR94:08:43	2.7	4.1	4.8	4.9	4.8	5.5	6.3	0.4	1.4	-0.5	4.3	0	91	961	1.4	266	6	0.00
SWB	147	14APR94:15:15	19.0	20.0	20.9	21.1	21.2	22.0	25.9	0.9	2.8	0.8	19.3	645	32	963	2.8	271	50	0.00
SWB	148	14APR94:16:34	19.8	20.9	21.8	22.1	22.2	23.8	26.5	0.9	2.9	0.6	19.2	633	31	964	2.1	283	50	0.00
SWB	169	15APR94:02:34	7.0	8.9	9.5	9.5	9.4	10.1	10.7	0.4	1.2	-0.4	8.9	0	73	963	0.8	166	50	0.00
SWB	170	15APR94:06:23	10.1	10.9	11.3	11.5	11.4	12.1	12.5	0.4	1.2	0.1	10.5	6	88	960	2.5	144	10	0.00
SWB	171	15APR94:08:16	10.6	11.6	12.2	12.2	12.2	12.8	13.5	0.4	1.1	-0.2	11.4	7	79	958	2.7	187	44	0.00
SWB	172	15APR94:14:14	12.2	13.0	13.5	13.6	13.4	14.1	14.5	0.3	1.1	0.3	13.1	78	94	954	3.5	198	16	0.00

GRAYLING II, CONIFEROUS (PINE) TREE FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	72	23MAR94:23:25	-5.3	-3.7	-3.1	-2.9	-3.0	-1.9	-0.6	0.6	1.8	0.0	-5.2	0	92	966	0.5	190	42	0.00
SWB	73	23MAR94:03:35	-8.4	-6.6	-5.6	-5.5	-5.6	-4.3	-2.6	0.7	2.3	0.4	-7.2	0	92	966	0.0	90	50	0.00
SWB	74	23MAR94:11:50	6.7	12.1	12.9	13.3	13.2	14.4	17.3	0.8	2.3	-0.3	10.4	757	35	964	4.8	264	50	0.00
SWB	75	23MAR94:14:19	9.4	12.7	13.7	14.1	14.0	15.5	17.9	0.9	2.9	-0.3	11.9	483	34	962	5.9	230	50	0.00
SWB	76	23MAR94:20:33	3.9	6.0	6.8	7.0	6.8	7.7	8.3	0.5	1.6	-0.4	6.1	0	56	968	1.6	222	50	0.00
SWB	77	23MAR94:14:17	6.8	10.4	11.5	11.8	11.8	13.2	14.5	0.8	2.5	-0.5	8.9	482	43	965	2.6	86	50	0.00
SWB	78	23MAR94:19:10	2.7	4.2	5.0	5.1	5.0	5.7	6.8	0.5	1.5	-0.4	4.0	0	51	965	2.1	59	50	0.00
SWB	80	23MAR94:22:08	0.1	1.3	1.9	2.0	1.9	2.7	3.7	0.5	1.4	-0.0	0.0	0	73	965	1.9	62	50	0.00
SWB	81	24MAR94:09:04	0.5	1.4	2.2	2.2	2.0	2.9	3.9	0.4	1.4	-0.0	0.6	35	94	957	1.3	265	6	0.00
SWB	82	24MAR94:14:48	-0.4	0.7	1.3	1.4	1.3	2.3	3.1	0.5	1.6	0.1	-0.3	206	79	962	5.2	267	13	0.00
SWB	83	24MAR94:21:31	-6.0	-4.7	-4.1	-3.8	-4.0	-3.0	-2.0	0.5	1.7	-0.2	-5.1	0	72	972	4.6	306	50	0.00
SWB	84	24MAR94:22:03	-6.4	-4.9	-4.1	-4.0	-4.1	-3.1	-2.3	0.6	1.7	0.0	-5.2	0	73	972	3.7	309	49	0.00
SWB	85	25MAR94:00:46	-8.0	-6.6	-5.8	-5.6	-5.8	-4.6	-3.6	0.6	2.0	0.2	-6.7	7	78	976	3.4	316	50	0.00
SWB	86	25MAR94:09:16	-1.8	-0.6	0.5	0.8	0.8	2.7	6.3	1.0	3.2	1.0	-5.3	444	44	977	4.7	349	50	0.00
SWB	87	25MAR94:20:17	-5.3	-3.7	-2.9	-2.7	-2.9	-1.9	-0.7	0.6	1.8	-0.4	-5.3	0	50	978	1.5	0	50	0.00
SWB	88	25MAR94:23:42	-11.8	-9.4	-8.4	-8.0	-8.2	-6.6	-4.8	0.9	2.8	0.4	-8.8	0	85	978	0.8	90	50	0.00
SWB	89	26MAR94:07:48	-6.8	-4.6	-3.8	-3.6	-3.7	-2.7	-1.8	0.6	1.9	-0.3	-5.4	66	75	977	0.8	148	50	0.00
SWB	90	26MAR94:10:50	4.3	5.8	6.8	6.9	6.9	8.1	9.7	0.7	2.2	-0.1	2.7	628	49	975	4.4	215	50	0.00
SWB	96	27MAR94:10:32	-1.8	-0.1	0.7	0.8	0.7	1.7	2.9	0.5	1.7	-0.0	-0.8	176	88	965	0.1	119	9	0.00
SWB	97	28MAR94:00:06	-3.6	-2.0	-1.4	-1.2	-1.4	-0.3	0.6	0.5	1.7	0.1	-3.1	63	96	967	1.5	253	8	0.00
SWB	98	28MAR94:13:44	2.7	3.9	4.5	4.8	4.7	5.6	7.9	0.5	1.7	0.2	2.6	326	67	968	3.0	302	50	0.00
SWB	99	28MAR94:15:06	3.4	4.5	5.1	5.2	5.2	6.0	7.5	0.5	1.5	-0.2	2.6	307	64	969	2.5	279	50	0.00
SWB	100	28MAR94:19:28	-3.6	-2.3	-1.5	-1.4	-1.5	-0.4	0.7	0.6	1.9	-0.2	-1.2	0	78	970	0.0	90	50	0.00
SWB	101	29MAR94:05:52	-4.9	-3.6	-2.	-2.7	-2.9	-1.8	-0.6	0.5	1.8	0.0	-3.7	0	94	973	0.0	90	5	0.00
SWB	102	29MAR94:20:44	-4.7	-3.1	-2.3	-2.2	-2.3	-1.4	-0.4	0.5	1.8	-0.2	-2.9	0	87	980	0.0	28	8	0.00
SWB	103	29MAR94:21:57	-7.7	-3.6	-2.9	-2.7	-2.9	-1.8	-0.6	0.6	1.8	-0.0	-3.6	0	89	981	0.6	356	16	0.00
SWB	104	29MAR94:23:12	-6.1	-4.4	-3.7	-3.6	-3.6	-2.6	-1.4	0.6	1.8	-0.5	-5.5	0	92	981	0.2	37	11	0.00
SWB	105	30MAR94:03:15	-6.4	-5.2	-4.6	-4.3	-4.4	-3.6	-2.3	0.6	1.8	-0.0	-5.2	0	88	982	1.5	330	50	0.00
SWB	106	30MAR94:11:21	0.5	1.8	3.0	3.3	3.3	5.3	10.0	1.1	3.5	0.9	-1.0	761	55	984	2.8	306	50	0.00
SWB	107	30MAR94:14:14	3.3	4.9	6.0	6.6	6.6	9.0	14.4	1.3	4.1	1.1	1.6	786	47	982	4.3	281	50	0.00
SWB	108	30MAR94:18:42	-2.3	-0.7	0.2	0.2	0.1	1.0	1.8	0.5	1.6	-0.2	-0.4	18	56	981	1.1	251	50	0.00
SWB	109	31MAR94:04:02	-10.3	-8.7	-7.7	-7.5	-7.7	-6.3	-3.6	0.7	2.5	0.5	-8.3	0	89	977	0.0	90	14	0.00
SWB	111	31MAR94:10:25	5.2	6.2	6.9	7.0	7.0	8.0	9.8	0.6	1.8	0.3	3.5	473	50	975	3.5	255	50	0.00
SWB	112	31MAR94:16:52	9.1	10.6	11.8	12.2	12.2	14.3	16.8	1.1	3.7	0.3	7.9	320	34	971	3.8	220	50	0.00
SWB	113	01APR94:00:12	-4.0	-1.8	-0.8	-0.8	-1.0	-0.1	1.1	0.5	1.7	-0.5	-1.2	0	65	971	0.5	221	50	0.00
SWB	114	01APR94:02:26	-6.7	-5.3	-4.6	-4.6	-4.6	-3.6	-2.0	0.6	1.9	0.2	-5.6	0	90	971	0.0	90	14	0.00
SWB	115	01APR94:04:07	-7.7	-6.4	-5.6	-5.5	-5.6	-4.6	-3.3	0.6	1.8	-0.0	-6.5	0	89	971	0.0	55	13	0.00
SWB	116	01APR94:23:15	-2.3	-0.8	-0.2	-0.1	-0.2	0.7	1.8	0.5	1.5	0.2	-0.6	0	47	973	1.2	136	50	0.00
SWB	117	02APR94:01:05	-1.9	-0.7	-0.1	0.1	-0.1	0.7	1.6	0.4	1.4	-0.4	-0.8	0	51	972	1.6	115	50	0.00
SWB	118	02APR94:20:37	-3.1	-1.9	-1.2	-1.2	-1.4	-0.4	0.7	0.5	1.5	0.4	-2.1	0	67	968	6.0	317	50	0.00

GRAYLING II, CONIFEROUS (PINE) TREE FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M**2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	29	11MAR96:01:39	-9.8	-8.4	-7.7	-7.5	-7.7	-6.4	-5.6	0.6	1.8	0.3	-7.9	0	78	965	0.8	353	50	0.00
SWB	31	11MAR96:13:35	1.0	2.0	3.1	3.3	3.3	5.1	10.2	1.0	3.1	1.6	.	.	.	.	.	.	.	.
SWB	32	11MAR96:19:09	-6.4	-4.3	-3.6	-3.3	-3.4	-2.4	-1.2	0.6	1.9	-0.7	-5.2	0	72	986	0.0	90	50	0.00
SWB	33	12MAR96:02:18	-11.8	-10.3	-9.6	-9.2	-9.4	-8.0	-6.3	0.7	2.2	0.4	-10.4	0	87	986	0.5	65	50	0.00
SWB	34	12MAR96:06:25	-8.7	-7.4	-6.6	-6.4	-6.6	-5.3	-4.0	0.6	2.0	0.3	-7.9	0	86	986	0.4	220	50	0.00
SWB	35	12MAR96:09:41	-2.6	-1.4	-0.7	-0.6	-0.7	0.2	1.1	0.5	1.6	-0.0	-2.5	126	66	983	1.0	176	50	0.00
SWB	36	12MAR96:18:29	-1.0	-0.4	0.1	0.2	0.1	1.0	1.8	0.4	1.4	0.1	-0.7	2	92	978	0.8	291	5	0.00
SWB	37	13MAR96:00:25	-4.0	-2.9	-2.2	-2.2	-2.3	-1.4	-0.6	0.5	1.5	0.4	-2.6	0	92	979	0.6	283	2	0.00
SWB	38	13MAR96:02:25	-4.3	-3.5	-2.7	-2.6	-2.6	-1.8	-0.8	0.5	1.5	-0.5	-3.0	0	91	978	0.0	90	2	0.00
SWB	39	13MAR96:14:46	2.7	4.2	5.7	6.2	6.2	8.6	12.8	1.4	4.4	0.4	2.8	561	56	974	0.8	194	50	0.00
SWB	40	13MAR96:18:47	-4.0	-2.7	-2.2	-1.9	-2.0	-1.1	-0.1	0.5	1.6	0.0	-2.5	0	83	974	0.0	90	50	0.00
SWB	41	14MAR96:05:13	-7.9	-6.4	-5.6	-5.5	-5.6	-4.4	-3.1	0.6	2.0	0.0	.	.	.	.	.	.	.	.
SWB	42	14MAR96:14:34	-1.1	0.3	1.1	1.2	1.1	2.0	2.9	0.5	1.7	-0.1	-0.3	118	89	958	3.3	217	12	0.00
SWB	43	14MAR96:18:01	-0.2	1.0	1.7	1.7	1.6	2.5	3.1	0.5	1.6	0.3	0.6	16	89	956	1.6	232	9	0.00
SWB	44	14MAR96:19:43	-1.5	-0.2	0.5	0.6	0.5	1.3	2.0	0.5	1.5	-0.3	0.1	0	90	956	1.6	214	50	0.00
SWB	46	15MAR96:06:38	-1.1	-0.1	0.7	0.8	0.7	1.6	2.3	0.5	1.6	-0.2	-0.1	0	94	956	1.0	274	.	0.00
SWB	47	15MAR96:09:48	-2.4	-1.1	-0.3	-0.3	-0.4	0.6	1.4	0.5	1.7	0.1	-2.1	134	81	958	4.8	344	.	0.00
SWB	48	15MAR96:13:09	-4.6	-2.9	-2.0	-1.8	-1.9	-0.3	1.3	0.8	2.5	0.6	-5.1	403	68	962	4.2	334	.	0.00
SWB	49	16MAR96:03:14	-15.0	-12.9	-12.2	-12.8	-12.2	-10.8	-10.1	0.6	2.1	0.5	-12.6	0	61	970	4.7	0	50	0.00
SWB	50	16MAR96:13:52	-8.0	-6.0	-4.0	-4.0	-4.0	-1.6	3.1	1.4	4.3	0.5	-9.4	728	44	973	4.3	340	50	0.00
SWB	51	16MAR96:17:02	-9.2	-5.6	-3.3	-2.9	-2.7	0.8	7.1	2.0	6.5	0.4	-8.6	268	48	973	5.8	354	50	0.00
SWB	52	16MAR96:18:21	-12.2	-9.9	-8.9	-8.9	-9.1	-7.9	-6.6	0.7	2.1	-0.2	-10.8	19	47	974	6.1	321	50	0.00
SWB	53	17MAR96:09:05	-7.4	-5.5	-4.1	-3.8	-3.7	-0.8	3.9	1.5	4.7	1.2	-11.2	484	61	973	1.0	350	50	0.00
SWB	54	17MAR96:10:12	-5.2	-3.6	-2.7	-2.2	-2.2	-0.1	4.2	1.1	3.5	0.8	-6.0	535	42	973	1.5	295	50	0.00
SWB	55	17MAR96:14:19	-0.8	0.6	1.9	1.9	1.9	3.4	5.2	0.9	2.9	0.1	-2.4	558	38	969	1.7	229	50	0.00
SWB	56	17MAR96:17:02	-2.9	-1.6	-1.0	-0.8	-1.0	0.1	0.8	0.5	1.7	0.0	-2.5	78	59	966	0.8	239	50	0.00
SWB	57	18MAR96:07:55	-7.2	-6.0	-5.2	-5.0	-5.2	-4.1	-3.0	0.6	1.8	-0.3	-6.5	7	92	955	2.3	54	0	0.00
SWB	58	18MAR96:10:16	-6.0	-4.4	-3.7	-3.4	-3.6	-2.4	-1.6	0.6	2.0	-0.2	-6.5	18	73	962	5.2	332	50	0.00
SWB	59	18MAR96:19:35	-9.8	-5.8	-4.7	-4.7	-4.9	-3.6	-2.9	0.6	1.9	-1.1	-5.3	0	77	963	1.9	325	50	0.00
SWB	60	18MAR96:20:52	-9.6	-6.6	-5.6	-5.5	-5.6	-4.6	-3.8	0.6	2.0	-0.7	-6.4	0	85	964	1.6	317	50	0.00
SWB	61	19MAR96:02:37	-19.9	-10.5	-9.1	-8.9	-9.2	-7.9	-6.9	0.9	2.6	-2.4	-15.6	0	76	967	0.0	90	50	0.00
SWB	62	19MAR96:05:24	-19.2	-15.7	-14.6	-14.2	-14.4	-12.9	-10.8	0.9	2.7	-0.5	-17.0	0	79	967	0.0	90	50	0.00
SWB	63	19MAR96:14:13	1.3	3.9	5.4	5.6	5.6	7.7	11.8	1.2	3.8	0.2	1.2	437	38	968	4.9	325	50	0.00
SWB	64	19MAR96:17:39	-1.6	1.1	2.0	2.4	2.3	3.8	5.4	0.8	2.7	-0.1	0.3	84	48	968	3.1	300	50	0.00
SWB	65	20MAR96:01:10	-17.0	-15.8	-13.8	-13.8	-14.0	-12.4	-9.8	0.8	2.7	0.4	-16.7	0	84	971	1.0	12	50	0.00
SWB	67	20MAR96:17:25	3.2	6.3	7.4	7.4	7.2	8.2	9.0	0.6	1.9	-0.6	6.5	113	34	966	2.0	157	50	0.00
SWB	68	20MAR96:22:07	-1.2	0.3	1.0	1.1	1.0	1.8	2.6	0.5	1.5	0.1	-0.1	0	68	967	1.6	137	50	0.00
SWB	69	21MAR96:04:39	-1.6	-0.6	0.2	0.3	0.2	1.1	1.8	0.5	1.6	-0.3	-0.9	0	84	960	1.4	130	4	0.00
SWB	70	21MAR96:06:51	-2.0	-0.8	-0.2	-0.1	-0.2	0.7	1.6	0.5	1.5	-0.2	-1.1	1	94	958	1.1	61	2	0.00
SWB	71	21MAR96:22:13	-5.5	-4.0	-3.3	-3.1	-3.3	-2.2	-1.0	0.6	1.8	0.2	-3.8	0	95	964	0.6	199	5	0.00

GRAYLING II, CONIFEROUS (PINE) TREE FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	117	02APR94:01:05	-5.6	-2.5	-2.0	-1.9	-2.1	-1.5	-0.6	0.3	1.1	0.1	-0.8	0	51	972	1.6	115	50	0.00
LWB	118	02APR94:20:38	-4.5	-3.7	-3.2	-3.2	-3.3	-2.7	-2.1	0.3	1.0	-0.1	-2.1	0	66	960	7.0	325	45	0.00
LWB	119	02APR94:22:15	-5.4	-4.8	-4.4	-4.3	-4.5	-3.9	-3.3	0.3	0.9	0.0	-3.9	0	75	969	4.6	310	50	0.00
LWB	121	03APR94:05:19	-8.5	-7.7	-7.3	-7.2	-7.3	-6.7	-5.9	0.3	1.0	-0.1	-6.2	0	81	972	2.3	302	5	0.00
LWB	122	03APR94:14:05	2.7	3.7	4.2	4.6	5.1	8.7	10.5	1.6	4.9	2.5	2.9	788	34	972	3.3	298	50	0.00
LWB	123	03APR94:18:36	-0.6	0.7	1.5	1.6	1.4	2.2	4.9	0.5	1.5	-0.1	2.5	34	32	972	3.1	299	50	0.00
LWB	126	05APR94:19:25	-3.5	-2.0	-0.9	-1.0	-1.2	-0.5	0.7	0.5	1.5	-1.1	0.0	0	36	972	0.9	264	50	0.00
LWB	125	04APR94:02:53	-9.5	-8.1	-7.1	-7.1	-7.2	-6.2	-4.6	0.5	1.8	0.1	-6.5	0	69	971	0.9	285	50	0.00
LWB	126	04APR94:06:49	-6.3	-5.6	-5.0	-4.9	-5.0	-4.5	-3.5	0.4	1.1	-0.7	-6.0	25	86	971	1.0	321	50	0.00
LWB	127	04APR94:09:52	3.1	4.2	4.8	4.8	4.7	5.3	6.2	0.3	1.1	-0.3	4.5	230	44	970	3.5	253	50	0.00
LWB	128	04APR94:13:27	5.2	7.7	8.2	8.2	8.1	8.6	8.9	0.3	0.9	-0.8	8.3	120	36	967	5.8	210	50	0.00
LWB	129	05APR94:03:06	-6.7	-6.1	-3.5	-3.5	-3.6	-3.1	-2.4	0.3	1.0	-0.2	-3.4	0	95	967	-	-	2	0.00
LWB	130	05APR94:13:26	-4.1	-3.1	-3.6	-2.5	-2.5	-1.7	-0.7	0.4	1.6	0.1	-2.8	314	62	972	2.1	3	50	0.00
LWB	131	05APR94:17:44	-5.2	-4.1	-3.3	-3.3	-3.5	-2.9	-2.3	0.4	1.2	-0.4	-2.8	91	72	973	2.8	7	50	0.00
LWB	132	05APR94:18:19	-5.3	-4.4	-3.7	-3.7	-3.8	-3.1	-2.5	0.4	1.3	-0.2	-3.1	43	76	973	1.6	7	50	0.00
LWB	133	06APR94:09:19	-3.6	-1.9	-0.7	-0.6	-0.7	0.5	1.9	0.7	2.5	-0.3	-3.9	607	67	976	1.9	63	50	0.00
LWB	134	06APR94:10:59	-5.6	-1.3	-0.7	-0.5	-0.6	1.1	7.8	0.8	2.3	1.1	-2.3	693	60	976	4.5	35	50	0.00
LWB	135	06APR94:14:25	-2.1	-0.1	0.6	0.9	1.1	3.6	15.7	1.3	3.7	2.9	-0.2	545	48	974	4.7	32	50	0.00
LWB	136	06APR94:17:34	-3.4	-1.6	-1.2	-1.1	-1.1	-0.4	1.8	0.4	1.2	0.7	-0.9	185	63	974	2.6	38	50	0.00
LWB	137	07APR94:07:41	-6.0	-5.2	-4.5	-4.5	-4.5	-3.6	-2.8	0.5	1.4	0.2	-7.5	306	78	983	1.1	309	50	0.00
LWB	138	07APR94:10:10	-0.3	2.4	3.5	3.7	3.7	5.0	12.5	1.2	3.4	2.6	4.0	130	33	983	2.1	337	50	0.00
LWB	139	07APR94:19:03	-2.8	-0.6	1.0	0.9	0.6	1.5	2.7	0.6	2.1	-1.5	2.1	5	61	983	0.9	334	50	0.00
LWB	140	07APR94:20:26	-7.3	-5.9	-5.1	-5.0	-5.2	-4.4	-3.4	0.5	1.6	-0.4	-4.7	0	79	984	0.6	4	50	0.00
LWB	143	13APR94:13:55	5.0	5.5	6.0	6.0	5.9	6.5	6.9	0.3	1.0	0.2	6.4	79	90	957	1.9	250	50	0.00
LWB	144	13APR94:16:37	3.5	4.2	4.6	4.6	4.6	5.0	5.5	0.3	0.9	-0.4	5.4	55	91	957	1.6	256	50	0.00
LWB	145	14APR94:02:05	3.2	3.9	4.5	4.5	4.4	4.9	5.2	0.3	1.0	-0.8	4.7	0	90	960	2.6	230	9	0.00
LWB	146	14APR94:05:43	1.2	2.3	3.2	3.2	3.1	3.7	4.2	0.4	1.3	-1.2	4.3	0	91	961	1.4	246	6	0.00
LWB	147	14APR94:15:15	17.5	18.6	19.2	19.5	19.7	21.9	31.0	1.1	3.3	2.5	19.5	665	32	983	2.8	271	50	0.00
LWB	148	14APR94:16:34	17.9	18.8	19.2	19.4	19.6	21.1	31.0	0.8	2.4	2.9	19.2	433	31	984	2.1	253	50	0.00
LWB	149	15APR94:02:34	6.9	7.1	8.5	8.3	9.1	8.8	9.2	0.5	1.7	-1.5	8.9	0	73	983	0.8	164	50	0.00
LWB	170	15APR94:06:23	8.8	9.8	10.3	10.3	10.2	10.7	11.0	0.3	0.9	-0.9	10.5	6	88	980	2.5	144	10	0.00
LWB	171	15APR94:08:16	8.7	10.4	11.0	11.0	10.9	11.5	11.9	0.4	1.1	-0.6	11.4	7	79	956	2.7	167	44	0.00
LWB	172	15APR94:14:14	11.7	12.3	12.8	12.8	12.7	13.0	13.3	0.2	0.7	-0.6	13.1	78	94	954	3.5	190	10	0.00

GRAYLING II, CONIFEROUS (PINE) TREELINE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	71	21MAR94:22:13	-7.3	-5.6	-4.4	-4.6	-4.6	-3.9	-3.3	0.5	1.7	-0.9	-3.8	0	95	964	0.4	999	5	0.00
LWB	72	21MAR94:23:25	-7.1	-5.5	-4.4	-4.4	-4.5	-3.8	-3.2	0.5	1.7	-1.2	-3.2	0	92	965	0.3	999	42	0.00
LWB	73	22MAR94:03:35	-9.8	-8.7	-8.0	-7.9	-8.0	-6.6	-5.8	0.6	2.1	0.9	-7.2	0	92	965	0.0	90	50	0.00
LWB	74	22MAR94:11:50	5.5	9.5	11.5	11.4	11.1	12.8	13.4	0.8	3.5	-2.2	10.4	737	35	964	4.8	264	50	0.00
LWB	75	22MAR94:14:19	7.4	10.7	12.7	12.7	12.5	13.6	14.5	0.9	2.7	-1.5	11.9	683	34	962	5.9	230	50	0.00
LWB	76	22MAR94:20:33	0.1	3.1	5.8	5.5	5.1	6.2	6.7	1.0	3.2	-1.6	6.1	0	56	962	1.6	222	50	0.00
LWB	77	23MAR94:14:17	8.2	10.2	10.8	11.0	11.1	12.5	21.2	0.9	2.2	2.8	8.9	682	43	965	2.6	86	50	0.00
LWB	78	23MAR94:19:10	0.8	2.6	3.5	3.6	3.4	4.2	5.5	0.5	1.7	-0.5	4.8	0	51	966	2.5	59	50	0.00
LWB	80	23MAR94:22:08	-1.6	-0.6	0.3	0.3	0.1	0.9	2.2	0.4	1.5	-0.8	0.8	0	73	965	1.9	62	50	0.00
LWB	81	24MAR94:00:06	-0.6	0.2	0.6	0.7	0.5	1.1	1.3	0.3	0.9	-0.1	0.6	35	94	957	1.3	245	6	0.00
LWB	82	24MAR94:14:48	-2.0	-1.4	-0.9	-0.9	-1.0	-0.5	0.0	0.3	0.9	0.0	-0.3	286	79	962	5.2	267	13	0.00
LWB	83	24MAR94:21:31	-7.0	-6.3	-5.8	-5.8	-5.9	-5.4	-4.9	0.3	0.9	0.1	-5.1	0	72	972	4.6	306	50	0.00
LWB	84	24MAR94:22:03	-7.6	-6.9	-6.4	-6.3	-6.4	-5.8	-5.2	0.3	1.0	-0.2	-5.2	0	73	972	3.7	300	49	0.00
LWB	85	25MAR94:00:46	-8.6	-7.8	-7.5	-7.3	-7.4	-6.8	-6.0	0.3	1.0	-0.1	-6.7	7	78	976	3.4	316	50	0.00
LWB	86	25MAR94:09:16	-4.9	-4.1	-3.5	-3.5	-3.4	-2.5	-0.8	0.5	1.6	0.8	-5.3	444	64	977	4.7	349	50	0.00
LWB	87	25MAR94:20:17	-6.8	-5.6	-4.5	-4.5	-4.6	-3.9	-3.4	0.5	1.7	-1.2	-3.3	0	50	978	1.5	6	50	0.00
LWB	88	25MAR94:23:42	-12.4	-11.3	-10.6	-10.6	-10.3	-8.3	-6.4	0.9	3.3	1.2	-8.8	0	85	978	0.0	90	50	0.00
LWB	89	26MAR94:07:48	-6.7	-6.0	-5.8	-5.7	-5.7	-4.8	-4.0	0.4	1.2	1.0	-5.4	66	75	977	0.8	140	50	0.00
LWB	90	26MAR94:10:50	2.9	3.7	4.1	4.3	4.4	5.6	9.1	0.7	2.0	1.9	2.7	628	49	975	4.4	215	50	0.00
LWB	96	27MAR94:10:32	-2.8	-1.3	-0.9	-0.7	-0.8	0.1	1.6	0.4	1.4	0.9	-0.8	176	88	963	0.1	119	9	0.00
LWB	97	28MAR94:08:06	-4.6	-4.1	-3.5	-3.5	-3.6	-3.2	-2.8	0.3	0.9	-0.5	-3.1	63	96	967	1.5	253	0	0.00
LWB	98	28MAR94:13:44	1.7	2.7	3.2	3.3	3.2	4.0	5.7	0.4	1.5	0.3	2.6	326	67	968	3.0	302	50	0.00
LWB	99	28MAR94:19:07	1.3	2.6	3.1	3.1	3.0	3.7	6.2	0.4	1.1	0.7	2.6	295	64	969	3.0	284	50	0.00
LWB	100	28MAR94:19:28	-5.0	-3.4	-2.7	-2.7	-2.8	-2.0	-1.2	0.5	1.4	-0.3	-1.2	0	78	970	0.0	90	50	0.00
LWB	101	29MAR94:09:52	-5.8	-4.7	-4.1	-4.1	-4.2	-3.4	-2.6	0.4	1.3	0.0	-3.7	0	94	973	0.6	90	5	0.00
LWB	102	29MAR94:20:44	-5.8	-4.7	-3.8	-3.8	-4.0	-3.3	-2.7	0.4	1.5	-0.6	-2.9	0	87	980	0.8	20	0	0.00
LWB	103	29MAR94:21:57	-6.4	-5.3	-4.5	-4.5	-4.7	-4.0	-3.2	0.4	1.3	-0.1	-3.6	0	89	981	0.4	356	16	0.00
LWB	104	29MAR94:23:12	-7.4	-6.3	-5.7	-5.7	-5.8	-4.9	-3.7	0.4	1.4	0.2	-5.5	0	92	981	0.2	37	11	0.00
LWB	105	30MAR94:08:15	-7.8	-6.9	-6.3	-6.2	-6.3	-5.7	-4.8	0.4	1.2	-0.1	-5.2	0	88	982	1.5	330	50	0.00
LWB	106	30MAR94:11:21	-0.9	-0.1	0.7	0.7	0.7	1.7	6.4	0.6	1.9	1.1	-1.0	761	55	984	2.8	304	50	0.00
LWB	107	30MAR94:14:14	0.9	1.6	2.3	2.5	2.7	4.9	10.9	1.0	3.2	2.2	1.6	786	47	982	4.3	281	50	0.00
LWB	108	30MAR94:18:42	-3.6	-2.3	-1.5	-1.5	-1.6	-0.8	0.8	0.5	1.5	0.0	-0.4	18	56	981	1.1	251	50	0.00
LWB	109	31MAR94:04:02	-11.8	-10.2	-9.4	-9.4	-9.3	-7.8	-5.9	0.7	2.5	1.2	-8.5	0	89	977	0.0	90	14	0.00
LWB	110	31MAR94:06:35	-10.1	-8.9	-8.3	-8.2	-8.2	-6.9	-5.5	0.6	2.0	0.7	-7.9	15	90	977	0.5	214	14	0.00
LWB	111	31MAR94:10:23	2.9	4.8	4.5	4.6	4.5	5.1	5.9	0.3	1.1	-0.1	3.3	673	50	975	3.5	255	50	0.00
LWB	112	31MAR94:16:52	5.9	7.6	8.0	8.2	8.3	9.8	18.7	0.9	2.3	2.7	7.9	320	34	971	3.8	220	50	0.00
LWB	113	01APR94:00:12	-4.4	-2.8	-1.7	-1.7	-1.9	-1.2	-0.2	0.5	1.6	-1.0	-1.2	0	65	971	0.5	221	50	0.00
LWB	114	01APR94:02:26	-8.3	-6.8	-5.9	-5.8	-5.9	-4.9	-3.7	0.6	1.9	-0.1	-5.6	0	90	971	0.0	90	14	0.00
LWB	115	01APR94:04:07	-8.6	-7.3	-6.5	-6.4	-6.5	-5.6	-4.2	0.5	1.7	0.1	-6.5	0	89	971	0.9	55	13	0.00
LWB	116	01APR94:23:15	-4.5	-3.1	-2.1	-2.1	-2.2	-1.3	-0.2	0.5	1.8	-0.4	-0.6	0	67	973	1.2	136	50	0.00

GRAYLING II, CONIFEROUS (PINE) TREELINE FEATURE, LWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PEACEnet)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
LWB	29	1MAR94:07:39	-11.9	-10.6	-9.8	-9.8	-9.9	-9.2	-8.5	0.4	1.4	-0.9	-7.9	0	78	985	0.8	353	50	0.00
LWB	30	1MAR94:11:10	-2.8	-1.6	-0.9	-0.3	-0.2	1.8	9.5	1.2	3.5	1.1	-2.2	422	61	988	0.9	61	50	0.00
LWB	31	1MAR94:13:35	-1.5	-0.3	0.6	0.8	0.9	2.7	11.5	1.1	3.1	2.4	-	-	-	-	-	-	-	-
LWB	32	1MAR94:19:09	-7.8	-5.7	-4.5	-4.5	-4.6	-3.8	-3.0	0.6	1.9	-1.5	-3.2	0	72	986	0.8	98	50	0.00
LWB	33	2MAR94:00:16	-12.7	-12.0	-11.2	-11.2	-11.2	-9.8	-7.9	0.6	2.1	1.4	-10.4	0	87	986	0.5	65	50	0.00
LWB	34	2MAR94:04:23	-9.9	-9.2	-8.7	-8.6	-8.7	-7.8	-6.6	0.4	1.5	1.0	-7.9	0	86	986	0.4	250	50	0.00
LWB	35	2MAR94:09:41	-3.9	-3.1	-2.8	-2.7	-2.8	-2.3	-1.5	0.3	0.8	0.5	-2.5	126	66	988	1.8	176	50	0.00
LWB	36	2MAR94:10:29	-2.5	-1.6	-1.1	-1.1	-1.2	-0.7	-0.1	0.3	1.0	-0.6	-0.7	2	92	978	0.8	291	3	0.00
LWB	37	3MAR94:00:25	-4.5	-4.0	-3.3	-3.3	-3.5	-3.0	-2.4	0.3	1.0	0.0	-2.6	0	92	979	0.6	308	2	0.00
LWB	38	3MAR94:02:25	-7.0	-5.2	-4.3	-4.3	-4.5	-3.7	-3.2	0.5	1.5	-1.0	-3.8	0	91	978	0.8	98	2	0.00
LWB	39	3MAR94:14:46	1.9	3.3	4.4	4.7	4.8	7.0	10.3	1.3	5.6	2.8	2.8	561	56	976	0.8	104	50	0.00
LWB	40	3MAR94:18:47	-5.2	-4.2	-3.2	-3.2	-3.3	-2.5	-1.7	0.5	1.6	-0.6	-2.5	0	83	976	0.8	90	50	0.00
LWB	41	4MAR94:05:13	-9.8	-8.5	-7.7	-7.6	-7.8	-6.9	-5.6	0.5	1.6	0.0	-	-	-	-	-	-	-	-
LWB	42	4MAR94:14:34	-1.8	-1.2	-0.7	-0.7	-0.8	-0.2	0.2	0.3	1.0	-0.3	-0.3	118	89	956	3.3	217	12	0.00
LWB	43	4MAR94:18:01	-1.6	-0.9	-0.2	-0.2	-0.3	0.3	0.6	0.4	1.1	-0.2	0.6	16	89	956	1.6	252	9	0.00
LWB	44	4MAR94:19:43	-2.8	-1.8	-1.0	-1.0	-1.2	-0.6	-0.1	0.4	1.2	-0.5	0.1	0	90	956	1.6	214	50	0.00
LWB	46	5MAR94:06:38	-2.4	-1.6	-0.7	-0.7	-0.8	-0.2	0.2	0.3	1.1	-1.0	-0.1	0	94	956	1.0	275	-	0.00
LWB	47	5MAR94:09:48	-4.0	-3.1	-2.6	-2.6	-2.7	-2.3	-1.9	0.3	0.8	-0.7	-2.1	134	81	958	4.8	344	-	0.00
LWB	48	5MAR94:13:09	-5.7	-4.9	-4.5	-4.4	-4.5	-3.6	-2.7	0.4	1.3	0.5	-5.1	403	60	962	4.2	326	-	0.00
LWB	49	6MAR94:05:14	-16.3	-15.3	-14.6	-14.6	-14.8	-14.2	-12.8	0.4	1.2	-0.5	-12.6	0	61	978	4.7	0	50	0.00
LWB	50	6MAR94:13:52	-11.0	-10.1	-9.7	-9.5	-9.1	-6.7	0.5	1.1	3.4	2.4	-9.4	728	44	973	4.3	349	50	0.00
LWB	51	6MAR94:17:02	-11.3	-10.4	-9.8	-9.5	-9.5	-8.1	-2.4	0.8	2.4	1.8	-8.6	268	48	973	5.8	354	50	0.00
LWB	52	6MAR94:18:21	-12.0	-12.1	-11.6	-11.6	-11.6	-10.9	-8.6	0.4	1.1	0.3	-10.0	19	67	974	6.1	321	50	0.00
LWB	53	7MAR94:09:05	-10.1	-9.3	-8.6	-8.5	-8.4	-7.0	-5.3	0.7	2.3	0.6	-11.2	686	61	973	1.0	350	50	0.00
LWB	54	7MAR94:10:12	-8.7	-7.8	-7.6	-6.5	-6.5	-4.8	-2.5	0.9	2.9	0.3	-8.0	535	42	973	1.5	295	50	0.00
LWB	55	7MAR94:14:19	-2.8	-2.1	-1.8	-1.5	-1.4	0.5	9.9	0.9	2.4	3.2	-2.4	556	38	969	1.7	229	50	0.00
LWB	56	7MAR94:17:02	-5.5	-2.9	-2.5	-2.4	-2.5	-2.0	-1.1	0.5	0.9	0.1	-2.5	78	39	966	0.8	239	50	0.00
LWB	57	8MAR94:07:55	-8.7	-7.9	-7.4	-7.3	-7.5	-6.9	-6.5	0.3	1.0	-0.6	-6.5	7	92	955	2.3	54	0	0.00
LWB	58	8MAR94:10:16	-6.7	-5.7	-4.9	-4.9	-5.1	-4.5	-3.9	0.4	1.2	-0.7	-4.5	18	73	962	5.2	332	50	0.00
LWB	59	8MAR94:19:35	-9.5	-7.6	-6.5	-6.5	-6.7	-6.0	-5.5	0.5	1.3	-1.2	-5.3	0	77	963	1.9	325	50	0.00
LWB	60	10MAR94:20:52	-11.3	-8.9	-7.8	-7.9	-8.1	-7.3	-6.9	0.5	1.6	-1.4	-6.4	0	85	966	1.6	317	50	0.00
LWB	61	11MAR94:02:37	-16.5	-14.1	-11.9	-12.2	-12.4	-11.3	-10.7	0.9	2.7	-2.0	-13.8	0	76	967	0.8	90	50	0.00
LWB	62	11MAR94:03:24	-20.3	-16.7	-13.4	-14.1	-14.5	-13.8	-12.3	1.2	3.7	-1.1	-17.8	0	79	967	0.8	90	50	0.00
LWB	63	11MAR94:14:13	-1.7	0.3	1.6	1.6	1.5	2.8	12.5	0.8	2.5	1.4	1.2	437	38	968	4.8	323	50	0.00
LWB	64	11MAR94:17:40	-4.5	-1.8	-0.5	-0.6	-0.8	0.1	2.7	0.6	1.9	-1.2	0.2	87	61	968	3.4	313	50	0.00
LWB	65	20MAR94:01:10	-18.8	-17.2	-16.6	-16.2	-16.2	-14.7	-10.4	0.8	2.5	1.6	-16.7	0	84	971	1.8	12	50	0.00
LWB	67	20MAR94:17:25	2.5	5.1	6.5	6.4	6.2	7.8	8.8	C.6	1.8	-1.8	6.5	113	34	968	2.8	157	50	0.00
LWB	68	20MAR94:22:07	-2.8	-1.6	-0.9	-0.9	-1.0	-0.6	-0.1	0.3	1.2	-0.6	-0.1	0	69	967	1.6	137	50	0.00
LWB	69	21MAR94:04:39	-2.7	-2.2	-1.6	-1.6	-1.6	-1.2	-0.8	0.3	1.0	-0.9	-0.9	0	84	968	1.4	138	4	0.00
LWB	70	21MAR94:06:51	-2.9	-2.3	-1.7	-1.7	-1.8	-1.4	-1.0	0.3	1.9	-0.6	-1.1	1	86	958	1.1	61	2	0.00

GRAYLING II, CONIFEROUS (PINE) TREELINE FEATURE, LWB DATA

LANDBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M**2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
940	29	11MAR94:01:39	-10.8	-8.4	-7.5	-7.4	-7.5	-6.4	-5.0	0.6	1.9	0.2	-7.9	0	78	985	0.6	355	50	0.00
940	30	11MAR94:11:12	-1.2	0.2	1.1	1.9	2.2	5.3	12.2	1.6	5.1	1.2	-2.2	622	61	988	0.9	60	50	0.00
940	31	11MAR94:13:35	0.1	1.8	3.0	3.5	3.7	7.4	15.6	1.7	5.6	1.6	-	-	-	-	-	-	-	-
940	32	11MAR94:19:09	-5.8	-3.8	-2.9	-2.9	-3.8	-1.9	-0.6	0.6	2.0	-0.3	-5.2	0	72	986	0.0	90	50	0.00
940	33	12MAR94:02:16	-12.2	-9.9	-8.9	-8.7	-8.9	-7.2	-4.9	0.8	2.7	0.7	-10.4	0	87	986	0.5	45	50	0.00
940	34	12MAR94:06:23	-8.7	-7.2	-6.6	-6.3	-6.4	-5.0	-3.0	0.7	2.2	0.7	-7.9	0	86	986	0.4	220	50	0.00
940	35	12MAR94:09:41	-2.6	-1.4	-0.7	-0.6	-0.7	0.3	1.3	0.5	1.7	0.4	-2.5	124	66	985	1.0	176	50	0.00
940	36	12MAR94:18:29	-1.8	-0.6	0.2	0.2	0.1	1.0	1.9	0.4	1.5	0.0	-0.7	2	92	978	0.5	291	3	0.00
940	37	13MAR94:00:25	-4.3	-2.7	-2.2	-2.0	-2.2	-1.2	-0.3	0.5	1.5	0.1	-2.4	0	92	979	0.6	283	2	0.00
940	38	13MAR94:02:25	-4.7	-3.1	-2.4	-2.3	-2.4	-1.6	-0.6	0.5	1.5	-0.5	-3.8	0	91	978	0.0	90	2	0.00
940	39	13MAR94:14:46	2.7	4.7	5.8	6.5	6.8	10.6	21.3	1.9	5.9	1.7	2.8	561	58	974	0.8	194	50	0.00
940	40	13MAR94:18:47	-3.7	-2.3	-1.5	-1.4	-1.5	-0.6	0.5	0.5	1.7	-0.4	-2.5	0	83	974	0.0	90	50	0.00
940	41	14MAR94:05:13	-8.0	-6.3	-5.2	-5.2	-5.3	-4.0	-2.4	0.7	2.3	0.5	-	-	-	-	-	-	-	-
940	42	14MAR94:14:34	-1.0	0.3	1.1	1.2	1.1	1.9	2.9	0.5	1.6	-0.3	-0.3	118	89	958	3.3	217	12	0.40
940	43	14MAR94:18:01	-0.1	1.1	1.7	1.8	1.7	2.5	3.5	0.5	1.4	-0.0	0.6	16	89	956	1.6	232	9	0.00
940	44	14MAR94:19:43	-1.1	-0.1	0.7	0.8	0.7	1.6	2.5	0.5	1.6	-0.5	0.1	0	98	956	1.6	214	50	0.00
940	46	15MAR94:06:38	-1.6	-0.1	0.6	0.7	0.6	1.6	2.5	0.5	1.6	0.1	-0.1	0	94	956	1.0	274	.	0.00
940	47	15MAR94:09:48	-2.7	-1.2	-0.6	-0.4	-0.6	0.5	1.6	0.5	1.7	0.2	-2.1	134	81	958	4.8	344	.	0.00
940	48	15MAR94:13:09	-4.6	-3.1	-2.6	-2.8	-2.8	-0.6	1.3	0.8	2.6	0.2	-5.1	685	68	962	4.2	326	.	0.00
940	49	16MAR94:05:14	-15.4	-12.9	-12.2	-12.8	-12.2	-11.0	-9.4	0.6	1.9	0.0	-12.6	0	61	970	4.7	0	50	0.00
940	50	16MAR94:13:52	-8.2	-6.3	-4.6	-5.8	-5.6	0.6	10.7	2.2	6.8	1.3	-9.4	720	44	973	4.3	349	50	0.00
940	51	16MAR94:17:02	-8.9	-6.6	-6.6	-5.7	-5.6	1.0	8.6	2.3	7.5	1.0	-8.6	268	48	973	5.8	356	50	2.00
940	52	16MAR94:18:21	-10.8	-8.6	-6.9	-6.6	-6.6	-4.1	0.7	1.3	6.2	0.5	-10.0	19	67	974	6.1	321	50	0.00
940	53	17MAR94:09:05	-7.5	-5.8	-6.7	-6.4	-6.4	-2.4	1.1	1.0	3.3	0.5	-11.2	686	61	973	1.0	350	50	0.00
940	54	17MAR94:10:12	-6.0	-4.1	-2.7	-2.3	-2.5	0.5	6.2	1.4	4.6	0.6	-8.0	535	62	973	1.5	295	50	0.00
940	55	17MAR94:14:19	-1.0	0.5	1.7	1.8	1.9	4.3	13.6	1.2	3.9	1.5	-2.4	550	36	960	1.7	229	50	0.00
940	56	17MAR94:17:02	-3.5	-1.8	-1.1	-0.8	-1.0	0.1	1.8	0.5	1.8	0.0	-2.5	70	39	966	0.6	230	50	0.00
940	57	18MAR94:07:55	-7.7	-6.1	-5.3	-5.2	-5.3	-4.3	-3.3	0.6	1.8	-0.3	-6.5	7	92	995	2.3	56	0	0.00
940	58	18MAR94:10:16	-5.6	-4.3	-3.6	-3.4	-3.6	-2.4	-1.4	0.6	1.9	0.3	-4.5	18	73	982	5.2	332	50	0.00
940	59	18MAR94:19:35	-7.7	-5.5	-4.6	-4.6	-4.6	-3.4	-2.4	0.6	2.1	-0.2	-5.3	0	77	988	1.9	325	50	0.00
940	60	18MAR94:20:52	-9.1	-6.7	-5.6	-5.5	-5.6	-4.6	-3.3	0.7	2.2	-0.6	-6.4	0	85	986	1.6	317	50	0.00
940	61	19MAR94:02:37	-15.2	-11.2	-9.2	-9.4	-9.6	-8.0	-6.9	1.0	3.2	-0.9	-13.6	0	70	987	0.0	90	50	0.00
940	62	19MAR94:08:26	-16.5	-13.5	-11.6	-11.6	-11.6	-9.9	-7.9	1.1	3.6	-0.2	-17.0	0	79	987	0.0	90	50	0.00
940	63	19MAR94:16:13	1.0	2.9	3.7	4.4	4.8	7.9	22.6	2.0	5.0	3.1	1.2	437	30	960	4.8	323	50	0.00
940	64	19MAR94:17:40	-2.4	0.3	1.7	1.8	1.7	3.0	6.4	0.9	2.7	-0.6	0.2	87	61	960	3.4	313	50	0.00
940	65	20MAR94:01:10	-16.1	-13.5	-12.7	-12.2	-12.2	-9.9	-7.0	1.1	3.6	0.5	-16.7	0	84	971	1.0	12	50	0.00
940	67	20MAR94:17:25	3.0	6.5	7.6	7.7	7.5	8.6	9.9	0.6	1.9	-1.6	6.5	113	36	960	2.0	157	50	0.00
940	68	20MAR94:22:07	-1.2	0.2	1.0	1.0	0.8	1.8	2.7	0.5	1.6	0.2	-0.1	0	68	967	1.6	137	50	0.00
940	69	21MAR94:04:39	-2.6	-0.6	0.2	0.2	0.1	1.0	1.8	0.5	1.5	-0.0	-0.9	0	86	960	1.4	130	4	0.00
940	70	21MAR94:06:51	-2.2	-0.8	-0.1	-0.1	-0.2	0.8	1.8	0.5	1.6	0.1	-1.1	1	94	958	1.1	61	2	0.00

GRAYLING II, CONIFEROUS (PINE) TREELINE FEATURE, SWB DATA

WAVEBAND	IMAGE NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M**2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	71	21MAR94:22:13	-5.2	-3.7	-2.7	-2.6	-2.9	-1.8	-0.7	0.6	2.0	0.1	-3.8	0	95	964	0.4	199	5	0.00
SWB	72	21MAR94:23:25	-5.2	-3.3	-2.4	-2.3	-2.6	-1.5	-0.3	0.6	1.8	-0.6	-3.2	0	92	965	0.5	198	42	0.00
SWB	73	22MAR94:03:35	-7.7	-6.1	-5.3	-5.0	-5.2	-3.7	-2.2	0.8	2.4	0.5	-7.2	0	92	968	0.8	98	30	0.00
SWB	74	22MAR94:11:50	8.4	11.5	12.9	13.1	13.0	14.5	17.7	0.9	3.0	-0.2	10.4	737	35	964	4.8	264	30	0.00
SWB	75	22MAR94:16:19	10.5	13.4	14.3	14.6	14.7	16.5	24.0	1.0	3.1	1.4	11.9	665	36	962	5.9	230	30	0.00
SWB	76	22MAR94:20:33	3.7	6.2	7.5	7.5	7.3	8.3	9.0	0.7	2.1	-1.1	6.1	0	56	962	1.6	222	30	0.00
SWB	77	23MAR94:14:17	10.3	11.5	12.3	12.5	12.5	14.0	21.1	0.9	2.6	2.1	8.9	482	43	966	2.6	86	30	0.00
SWB	78	23MAR94:19:10	2.6	4.2	5.0	5.1	5.0	6.0	7.5	0.5	1.7	-0.2	4.0	0	51	965	2.5	50	50	0.00
SWB	80	23MAR94:22:08	-0.1	1.2	1.9	2.0	1.9	2.9	4.2	0.5	1.7	0.0	0.8	0	73	965	1.9	62	90	0.00
SWB	81	24MAR94:09:04	0.3	1.4	2.0	2.2	2.0	2.9	3.8	0.4	1.4	-0.1	0.6	35	94	957	1.3	248	6	0.00
SWB	82	24MAR94:16:48	-0.7	0.5	1.1	1.1	1.0	1.9	2.7	0.5	1.6	0.3	-0.3	206	79	962	5.2	267	15	0.00
SWB	83	24MAR94:21:31	-6.9	-5.0	-4.1	-4.0	-4.1	-3.1	-1.9	0.6	1.9	-0.1	-5.1	0	72	972	4.6	306	50	0.00
SWB	84	24MAR94:22:03	-6.6	-5.2	-4.4	-4.1	-4.3	-3.3	-2.3	0.6	1.9	-0.4	-5.2	0	73	972	5.7	300	40	0.00
SWB	85	25MAR94:06:44	-6.0	-4.7	-5.6	-5.6	-5.8	-4.6	-3.1	0.7	2.2	-0.0	-6.7	7	78	976	3.4	316	30	0.00
SWB	86	25MAR94:09:16	-2.2	-0.7	0.1	0.6	0.6	2.3	6.6	0.9	3.0	0.7	-5.3	444	64	977	4.7	349	30	0.00
SWB	87	25MAR94:20:17	-5.3	-3.7	-2.7	-2.7	-2.9	-1.9	-0.7	0.6	1.8	-0.5	-5.3	0	56	978	1.5	0	30	0.00
SWB	88	25MAR94:23:42	-12.4	-9.4	-8.5	-8.0	-8.0	-6.1	-4.3	1.0	3.3	0.2	-8.6	0	85	978	0.0	90	30	0.00
SWB	89	26MAR94:07:48	-6.1	-4.7	-4.0	-3.7	-3.8	-2.6	-1.2	0.6	2.2	0.3	-5.4	66	75	977	0.8	148	30	0.00
SWB	90	26MAR94:10:50	3.7	5.2	6.2	6.5	6.5	8.3	11.9	0.9	3.1	0.9	2.7	628	49	995	4.4	215	30	0.00
SWB	96	27MAR94:10:32	-1.6	-0.2	0.6	0.7	0.6	1.6	3.2	0.6	1.7	0.1	-0.8	176	88	983	0.1	119	0	0.00
SWB	97	28MAR94:08:06	-3.6	-2.2	-1.5	-1.2	-1.4	-0.4	1.0	0.5	1.7	-0.4	-3.1	65	96	967	1.5	253	0	0.00
SWB	98	28MAR94:13:44	2.6	4.0	4.7	4.8	4.7	5.7	7.5	0.6	1.7	0.6	2.6	326	67	968	3.0	302	50	0.00
SWB	99	28MAR94:15:07	2.7	3.9	4.5	4.7	4.7	5.6	7.3	0.5	1.7	0.1	2.6	295	64	969	3.0	284	50	0.00
SWB	100	28MAR94:19:28	-3.0	-1.8	-0.8	-0.7	-0.8	0.2	1.3	0.6	2.0	-0.6	-1.2	0	78	970	0.8	98	50	0.00
SWB	101	29MAR94:05:52	-4.4	-3.3	-2.6	-2.3	-2.6	-1.6	-0.6	0.6	1.9	-0.1	-3.7	0	94	973	0.0	98	5	0.00
SWB	102	29MAR94:20:46	-4.6	-3.1	-2.6	-2.3	-2.6	-1.6	-0.2	0.6	1.8	0.0	-2.9	0	67	980	0.8	28	6	0.00
SWB	103	29MAR94:21:57	-5.2	-3.8	-3.0	-2.9	-3.0	-2.0	-0.8	0.6	1.8	-0.2	-3.6	0	89	981	0.6	356	16	0.00
SWB	104	29MAR94:23:12	-6.7	-4.7	-4.0	-3.7	-3.8	-2.7	-1.6	0.6	2.0	-0.1	-5.5	0	92	981	0.2	37	11	0.00
SWB	105	30MAR94:05:15	-6.9	-5.3	-4.6	-4.3	-4.4	-3.4	-2.0	0.6	1.9	-0.3	-5.2	0	88	982	1.5	338	50	0.00
SWB	106	30MAR94:11:27	0.3	1.7	2.7	3.0	3.0	5.0	10.5	1.0	3.3	1.1	-1.0	761	55	986	2.8	304	50	0.00
SWB	107	30MAR94:14:14	2.9	4.5	5.6	6.0	6.4	9.8	17.5	1.7	5.3	1.6	1.6	786	47	982	4.3	283	50	0.00
SWB	108	30MAR94:16:42	-1.6	1.0	2.0	2.4	2.6	4.5	8.3	1.1	3.6	1.1	-0.4	10	56	980	1.1	251	50	0.00
SWB	109	31MAR94:06:02	-10.5	-8.0	-7.2	-6.9	-7.0	-5.5	-3.4	0.8	2.4	0.5	-8.3	0	89	977	0.0	90	16	0.00
SWB	110	31MAR94:06:35	-6.3	-4.9	-4.0	-3.8	-3.8	-2.6	-0.7	0.7	2.3	-0.0	-7.9	15	90	977	0.5	216	16	0.00
SWB	111	31MAR94:10:25	4.7	5.8	6.4	6.6	6.6	7.5	9.1	0.5	1.7	0.1	3.3	473	50	975	3.5	235	50	0.00
SWB	112	31MAR94:14:52	8.3	9.6	10.9	11.4	11.6	14.7	22.8	1.7	5.1	1.4	7.9	330	36	971	3.8	220	50	0.00
SWB	113	01APR94:00:12	-2.6	-0.8	-0.1	-0.1	-0.2	0.8	1.7	0.5	1.6	0.1	-1.2	0	85	971	0.5	221	50	0.00
SWB	114	01APR94:02:26	-6.4	-4.9	-4.1	-4.0	-4.1	-3.0	-1.2	0.6	1.9	0.5	-5.6	0	98	971	0.0	90	16	0.00
SWB	115	01APR94:04:07	-7.2	-5.8	-4.9	-4.9	-5.0	-3.8	-2.3	0.6	1.9	0.5	-6.5	0	89	971	0.9	35	15	0.00
SWB	116	01APR94:23:15	-2.6	-1.8	-0.3	-0.2	-0.3	0.7	1.7	0.5	1.7	0.1	-0.6	0	67	973	1.2	136	50	0.00

GRAYLING II, CONIFEROUS (PINE) TREELINE FEATURE, SWB DATA

WAVEBAND	MISSION NUMBER	IMAGE DATE-TIME	MINIMUM TEMPERATURE (Deg. C)	5-PERCENTILE TEMPERATURE (Deg. C)	MODE TEMPERATURE (Deg. C)	MEDIAN TEMPERATURE (Deg. C)	MEAN TEMPERATURE (Deg. C)	95-PERCENTILE TEMPERATURE (Deg. C)	MAXIMUM TEMPERATURE (Deg. C)	STANDARD DEVIATION (Deg. C)	RANGE_90 (Deg. C)	SKEWNESS (DL)	AIR TEMPERATURE (Deg. C)	SOLAR RADIATION (W/M^2)	RELATIVE HUMIDITY (PERCENT)	BAROMETRIC PRESSURE (MILLIBARS)	WIND SPEED (M/S)	WIND DIRECTION (DEGREES)	VISIBILITY (KM)	PRECIPITATION (MM/HR)
SWB	117	02APR94:01:05	-2.2	-0.8	-0.3	-0.1	-0.2	0.7	1.8	0.5	1.5	-0.2	-0.8	0	51	972	1.6	110	50	0.00
SWB	118	02APR94:20:38	-3.1	-1.8	-1.2	-1.1	-1.2	-0.3	0.6	0.5	1.5	0.3	-2.1	0	66	966	7.6	320	45	0.00
SWB	119	02APR94:22:13	-5.2	-3.7	-3.1	-3.0	-3.1	-2.2	-1.0	0.5	1.5	0.2	-3.9	0	73	960	4.6	310	50	0.00
SWB	120	02APR94:23:21	-5.8	-4.4	-3.7	-3.6	-3.7	-2.9	-1.9	0.5	1.6	-0.4	-4.7	0	75	960	4.7	320	50	0.00
SWB	121	03APR94:05:19	-7.5	-6.4	-5.6	-5.5	-5.6	-4.6	-3.6	0.5	1.8	-0.0	-6.2	0	81	972	2.3	300	5	0.00
SWB	122	03APR94:14:05	4.4	6.0	7.1	7.7	8.3	13.1	21.9	2.3	7.1	1.8	2.9	780	36	972	3.3	280	50	0.00
SWB	123	03APR94:18:36	0.8	2.9	3.7	3.9	3.8	5.0	8.6	0.7	2.1	0.5	2.5	36	32	972	3.1	299	50	0.00
SWB	124	03APR94:19:25	-3.0	-0.3	0.7	0.7	0.5	1.6	2.6	0.5	1.8	-0.0	0.0	0	36	972	0.9	264	50	0.00
SWB	125	04APR94:02:53	-7.7	-6.0	-5.2	-4.9	-5.0	-3.7	-2.2	0.7	2.2	0.3	-6.5	0	69	971	0.9	285	50	0.00
SWB	126	04APR94:06:49	-5.3	-3.8	-3.0	-2.9	-3.0	-1.9	-0.4	0.6	2.0	-0.0	-4.0	25	86	971	1.0	221	50	0.00
SWB	127	04APR94:09:52	4.0	6.0	6.7	6.9	6.8	7.6	8.4	0.5	1.5	-0.4	4.5	236	46	970	3.5	253	50	0.00
SWB	128	04APR94:13:27	6.6	8.2	8.9	8.9	8.8	9.5	10.4	0.4	1.3	0.0	8.3	120	34	967	5.8	210	50	0.00
SWB	129	05APR94:05:06	-4.6	-3.3	-2.4	-2.3	-2.4	-1.5	-0.3	0.6	1.8	-0.1	-3.4	0	93	967	.	.	2	0.00
SWB	130	05APR94:13:26	-3.4	-1.9	-1.1	-1.0	-1.1	0.1	1.4	0.6	2.0	0.3	-2.8	314	82	972	2.1	5	50	0.00
SWB	131	05APR94:17:44	-4.1	-2.7	-1.8	-1.8	-1.9	-0.8	0.1	0.6	1.9	0.1	-2.8	93	72	973	2.0	7	50	0.00
SWB	132	05APR94:18:19	-4.9	-3.1	-2.3	-2.3	-2.2	-1.1	0.2	0.6	2.0	-0.4	-3.1	43	74	973	1.6	7	50	0.00
SWB	133	06APR94:09:19	-0.7	1.7	2.6	2.9	2.9	4.4	9.6	0.9	2.8	0.4	-3.9	407	47	976	1.9	43	50	0.00
SWB	134	06APR94:10:59	-0.4	1.1	1.9	2.4	2.4	4.1	9.5	1.0	3.0	0.6	-2.3	695	40	976	4.5	35	50	0.00
SWB	135	06APR94:14:23	0.6	2.5	3.8	4.2	4.5	7.8	17.5	1.8	5.3	1.0	-0.2	565	48	974	4.7	32	50	0.00
SWB	136	06APR94:17:54	-1.2	0.3	1.2	1.3	1.2	2.5	5.1	0.7	2.2	0.9	-0.9	105	43	974	2.6	20	50	0.00
SWB	137	07APR94:07:41	-1.6	-0.2	1.0	1.1	1.0	2.3	5.4	0.8	2.5	0.3	-7.3	306	78	982	1.1	309	50	0.00
SWB	138	07APR94:10:10	2.9	5.3	7.3	7.7	8.1	12.5	21.5	2.3	6.8	2.0	4.0	110	33	985	2.1	337	50	0.00
SWB	139	07APR94:19:05	-1.0	1.2	2.2	2.3	2.0	3.1	4.1	0.6	1.9	-0.3	2.1	5	41	985	0.9	336	50	0.00
SWB	140	07APR94:20:36	-5.2	-3.6	-2.7	-2.6	-2.7	-1.6	-0.1	0.6	1.9	-0.0	-4.7	0	79	986	0.6	4	50	0.00
SWB	143	13APR94:13:55	5.3	6.3	7.0	7.1	7.0	7.8	8.7	0.5	1.5	-0.3	6.4	79	90	957	1.5	230	50	0.00
SWB	144	13APR94:16:37	4.4	6.0	6.8	6.8	6.7	7.5	8.3	0.5	1.4	-0.2	5.4	55	91	957	1.6	256	50	0.00
SWB	145	14APR94:02:05	3.5	4.8	5.3	5.4	5.3	6.2	6.9	0.4	1.4	0.3	4.7	0	90	960	2.6	230	9	0.00
SWB	146	14APR94:05:43	3.1	4.2	4.9	5.0	4.9	5.6	6.6	0.4	1.4	-0.1	4.3	0	91	961	1.4	244	6	0.00
SWB	147	14APR94:15:15	18.1	19.5	20.3	20.9	21.2	25.3	32.4	1.6	4.9	1.6	19.3	645	32	983	2.8	271	50	0.00
SWB	148	14APR94:16:36	18.8	19.9	20.8	21.1	21.3	23.9	32.5	1.3	4.8	2.1	19.2	435	31	984	2.1	253	50	0.00
SWB	169	15APR94:02:36	7.3	8.8	9.4	9.5	9.6	10.2	10.9	0.4	1.4	-0.5	8.9	0	75	963	0.8	144	50	0.00
SWB	170	15APR94:06:23	9.9	10.8	11.4	11.5	11.6	12.0	12.8	0.4	1.2	-0.3	10.5	6	88	960	2.5	144	10	0.00
SWB	171	15APR94:08:16	10.7	11.6	12.2	12.2	12.2	12.8	13.6	0.4	1.2	0.0	11.4	7	79	958	2.7	107	44	0.00
SWB	172	15APR94:14:14	12.2	13.0	13.5	13.6	13.5	14.1	14.7	0.3	1.1	-0.2	13.1	78	94	956	3.5	190	10	0.00

GRAYLING II, CONIFEROUS (PINE) TREELINE FEATURE, SWB DATA